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November 3, 2021

Ms. Christine Long
Registrar
Ontario Energy Board
P.O. Box 2319
2300 Yonge Street, 27th Floor
Toronto, ON M4P 1E4

RE: EB-2021-0008 Bluewater Power Distribution Corporation 2022 IRM Rate Application

Dear Ms. Long

Bluewater Power Distribution Corporation is pleased to submit its Application for 2022 Rates under the 4th Generation Incentive Rate-setting plan under the Annual IR regime.

An electronic copy has been submitted to the Board through the RESS system.

The following Excel models will be submitted:

1. 2022 IRM Rate Generator Model
2. GA Analysis Workform
3. Account 1595 Workform
4. LRAMVA Workform
5. LRAM IESO Participation and Cost Report
6. LRAM 2017 Final Verified Annual Results
7. LRAM 2011-2014 Results Report
8. Bluewater's Proposed 2022 Rates and Tariffs
9. 2022 IRM Checklist

Sincerely,

A handwritten signature in blue ink that reads "L. Dugas".

Leslie Dugas
Director of Regulatory and Customer Service
Bluewater Power Distribution Corporation
Email: ldugas@bluewaterpower.com
Phone: 519-337-8201 Ext 2255



**2022 RATE APPLICATION
EB 2021-0008**

November 3, 2021

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ONTARIO ENERGY BOARD

IN THE MATTER OF the *Ontario Energy Board Act, 1998*, S.O.1998, c.15 (Sched. B)

AND IN THE MATTER OF an Application by Bluewater Power Distribution Corporation for an Order or Orders pursuant to section 78 of the *Ontario Energy Board Act, 1998* for 2022 distribution rates and related matters.

2 Application

The Applicant, Bluewater Power Distribution Corporation ("Bluewater"), is a licensed electricity distributor operating pursuant to license ED-2002-0517. Bluewater distributes electricity to approximately 36,000 customers in the municipalities of the City of Sarnia, the Town of Petrolia, the Village of Point Edward, the Village of Oil Springs, the Township of Warwick, and the Township of Brooke-Alvinston in Southwestern Ontario.

Bluewater hereby applies to the Ontario Energy Board (the "OEB") for an order or orders made pursuant to Section 78 of the *Ontario Energy Board Act, 1998*, as amended, (the "OEB Act") approving just and reasonable rates for the distribution of electricity based on a 2022 4th Generation Incentive Rate-setting ("2022 IRM") application, under the Annual IR Index methodology effective May 1, 2022.

Specifically, Bluewater hereby applies for an order or orders granting distribution rates updated and adjusted in accordance with Chapter 3 of the Filing Requirements for Electricity Distribution Rate Applications updated June 24, 2021 ("Filing Requirements"), including the following:

- a) A Price Cap Adjustment in accordance with the parameters of the 4th Generation Incentive Regulation for Ontario's Distributors;
- b) an adjustment to the retail transmission service rates as provided in Guideline (G-2008-0001) on Retail Transmission Service Rates – October 22, 2008 (Revision 4.0 June 28, 2012);
- c) The disposition of certain deferral and variance account principal balances as at December 31, 2020, as discussed in Section 4 of the Manager's Summary, along with the carrying charges projected to April 30, 2022 in accordance with the Section 3.2.5 of the Filing Requirements;

- 1 d) Approval of a rate rider to recover lost revenues attributable to the implementation of
2 certain conservation and demand management (“CDM”) programs in 2020 and the
3 persistence of past programs from 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018 and 2019
4 into 2020. The amount proposed for recovery is \$329,251 principal and \$2,350 carrying
5 charges for a total claim of \$331,601 to be recovered over a twelve month period;
- 6 e) Approval to book an amount of \$30,452 related to tax sharing amount for the year ending
7 December 31, 2020 to Account 1595 for future disposition. The amount presented in Sheet 8
8 of the Rate Generator Model does not result in a rate rider greater than four decimal places
9 for any rate class. As a result, consistent with the guidance of Section 3.2.7 of the Filing
10 Guidelines, we request the amount be booked for future disposition.

11
12 This Application is supported by written evidence that may be amended from time to time, prior to
13 the Board's final decision on this Application.

14
15 In the event that the OEB is unable to provide a Decision and Order in this Application for
16 implementation by the Applicant as of May 1, 2022, Bluewater requests that the OEB issue an Interim
17 Rate Order declaring the current Distribution Rates and Specific Service Charges as interim, until the
18 decided implementation date of the approved 2022 distribution rates.

19
20 In the event that the effective date does not coincide with the OEB’s decided implementation date for
21 2022 distribution rates and charges, Bluewater requests permission to recover the incremental
22 revenue from the effective date to the implementation date.

23
24 The Applicant requests that, pursuant to Section 32.01 of the OEB’s *Rules of Practice and Procedure*,
25 this proceeding be conducted by way of written hearing.

1 The Applicant requests that a copy of all documents filed with the OEB in this proceeding be served on
2 the Applicant as follows:

3 Bluewater Power Distribution Corporation
4 P.O. Box 2140
5 855 Confederation Street
6 Sarnia, ON N7T 7L6
7

8 Attention:
9 Ms. Leslie Dugas
10 Director of Regulatory and Customer Service
11 ldugas@bluewaterpower.com
12 Telephone: (519) 337-8201 ext. 2255
13 Fax: (519) 332-3878
14

15 DATED at Sarnia, Ontario, this 3rd day of November, 2021.
16
17
18

19 BLUEWATER POWER DISTRIBUTION CORPORATION
20

L. Dugas

21
22 _____
23 Leslie Dugas, Director of Regulatory and Customer Service
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25
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3 List of Attachments

1. Bluewater's 2021 Approved Tariffs (EB-2020-0005)
2. 2022 IRM Rate Generator Model
3. Global Adjustment Workform
4. Account 1595 Workform
5. LRAMVA Workform
 - a. IESO Participation & Cost Report dated April 2019 (Excel)
 - b. 2017 Final Verified Annual Results (Excel)
 - c. 2011-2014 Persistence Report (Excel)
 - d. Bluewater LRAM Project Summary
 - e. Customer 1 M&V_redacted
 - f. Customer 2 M&V_redacted
6. Bluewater's Proposed 2022 Tariffs
7. 2022 IRM Checklist

1 **4 Certifications of Evidence**
2

3 As the VP of Finance and Chief Financial Officer of Bluewater Power Distribution Corporation, I certify
4 that the evidence filed in Bluewater’s 2022 4th Generation Incentive Rate-setting mechanism, Annual
5 IR Index Application is accurate to the best of my knowledge. Bluewater has robust processes and
6 internal controls in place for the preparation, review, verification and oversight of the account
7 balances being disposed of. The filing is consistent with the requirements of Chapter 3 of the Filing
8 Requirements for Electricity Distribution Rate Applications (“Filing Requirements”) revised on June 24,
9 2021.

10

11 Mark Hutson



12 _____
13 **VP Finance and Chief Financial Officer**

14

15 As the Director, Regulatory and Customer Service of Bluewater Power Distribution Corporation, I certify
16 that the evidence filed specifically in support of Bluewater’s claim for Lost Revenue does not include
17 any personal information. Bluewater has filed redacted versions of reports required in support of the
18 application.

19

20 Leslie Dugas



21 _____
22 **Director Regulatory and Customer Service**

23

24

5 Manager's Summary

Bluewater Power Distribution Corporation ("Bluewater") hereby submits its complete application for the approval of distribution rates proposed to be effective May 1, 2022 under the 4th Generation Incentive Rate-setting mechanism, Annual IR Index ("2022 IRM").

For purposes of the 2022 IRM Application, Bluewater has relied upon the following OEB-issued documents and guidelines:

- Chapter 3 of the Filing Requirements for Electricity Distribution Rate Applications, updated on June 24, 2021 ("Filing Requirements")
- Guideline (G-2008-0001) on Retail Transmission Service Rates – October 22, 2008, Revision 4.0, June 28, 2012 ("RSTR Guidelines")
- CBR Accounting Guidelines, dated July 25, 2016
- Guidance on the Disposition of Accounts 1588 and 1589, dated May 23, 2017
- Accounting Procedures Handbook Update – Accounting Guidance related to Accounts 1588 Power, and 1589 RSVA Global Adjustment, dated February 21, 2019

Listed below are the specific items to be addressed in the Manager's Summary:

1. Overview
2. Annual Adjustment
3. Retail Transmission Service Charges
4. Proposed Deferral and Variance Account Balance Disposition
5. Lost Revenue Adjustment Mechanism Variance Account Disposition ("LRAMVA")
6. Tax Changes
7. Proposed Rates and Tariffs
8. Bill Impacts

1 **5.1 Overview**
2

3 Bluewater’s last Cost of Service Application was filed under Application Number EB-2012-0107 for
4 rates effective May 1, 2013. A full settlement was reached by all parties, and the OEB issued a
5 Decision and Rate Order on April 25, 2013. The most recent rate application submitted was under the
6 Price Cap IR mechanism for rates effective May 1, 2021 under case number EB-2020-0005. Bluewater
7 received a Decision and Rate Order on March 25, 2021 that approved all requested rate proposals.
8

9 Bluewater will publish the Notice of Application and Hearing upon direction from the OEB.
10

11 This Application will affect all ratepayers in Bluewater’s service territory. A detailed breakdown of the
12 bill impacts for all customers is contained in Table 13 at the end of the Manager’s Summary.
13

14 The internet address for Bluewater Power Distribution Corporation is: www.bluewaterpower.com
15

16 Bluewater requests that this Application be processed by way of a written hearing.
17

18 Billing Determinants

19 The 2022 IRM Rate Generator Model (“Rate Generator Model”) imports the billing determinants from
20 the most recent data provided in the RRR filing for 2020, dated April 30, 2021. Bluewater confirms the
21 data in the Rate Generator Model is correct, and an excerpt from Section 2.1.5 of the RRR filing is
22 presented in Table 1, below, with a comparison to the data included in Sheet 4 of the OEB’s Rate
23 Generator Model, as presented in Table 2. The loss factor used in Sheet 10 of the Rate Generator
24 Model is the loss factor as approved in 2013.
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1 **Table 1 – Excerpt from RRR Filings – Section 2.1.5 Table 3b (2020 data)**

TABLE 3B

Total Metered Consumption (SSS + Retailer) and Annual Billings by Generic Rate Class
 Metered consumption in kWhs and kW will auto-populate from Table 1b and Table 2a.
 Please input Annual Billings for each generic rate class. The sum of annual billings for all rate classes should equal Account 4080 from 1

<input type="checkbox"/>	GENERIC RATE CLASS	METERED CONSUMPTION IN KWHS (W=O+Q)	METERED CONSUMPTION IN KWS (X=P+R)
<input type="checkbox"/>	Residential	270,338,602.00	0.00
<input type="checkbox"/>	General Service < 50 kW	94,820,550.00	0.00
<input type="checkbox"/>	General Service >= 50 kW	304,457,503.00	752,808.00
<input type="checkbox"/>	Large User	281,204,845.00	461,493.00
<input type="checkbox"/>	Sub Transmission Customers	0.00	0.00
<input type="checkbox"/>	Embedded Distributor(s)	0.00	0.00
<input type="checkbox"/>	Street Lighting Connections	3,449,208.00	9,569.00
<input type="checkbox"/>	Sentinel Lighting Connections	439,107.00	1,196.00
<input type="checkbox"/>	Unmetered Scattered Load Connecti...	2,209,115.00	0.00
<input type="checkbox"/>	Total (Auto-Calculated)	956,918,930.00	1,225,066.00

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Table 2 – Excerpt from Sheet 4 – Billing Determinants from the Rate Generator Model

Rate Class	Unit	Total Metered kWh	Total Metered kW
RESIDENTIAL SERVICE CLASSIFICATION	kWh	270,338,602	0
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	kWh	94,820,550	0
GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION	kW	182,593,248	511,400
GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	kW	121,864,255	241,408
LARGE USE SERVICE CLASSIFICATION	kW	281,204,845	461,493
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh	2,209,115	0
SENTINEL LIGHTING SERVICE CLASSIFICATION	kW	439,107	1,196
STREET LIGHTING SERVICE CLASSIFICATION	kW	3,449,208	9,569
Total		956,918,930	1,225,066

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1 **5.2 Annual Adjustment**
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3 Based on the current price cap parameters, the Rate Generator Model reflects an adjustment of 1.6%
4 to base distribution rates. That calculation is based on an inflation factor as determined in November
5 2020 of 2.2% (for 2021 rate applications), less a productivity factor of 0.0%, and less a stretch factor of
6 0.6%.

7
8 Bluewater was assigned a stretch factor of 0.3% based on the PEG Report to the Ontario Energy
9 Board, dated August 27, 2021. However, Bluewater acknowledges that the OEB directed by letter
10 dated June 19, 2020 that the OEB will be applying the Annual IR Index method to Bluewater’s 2022
11 IRM rate application. Bluewater also acknowledges that the price escalator may change as a result of
12 an updated inflation factor, particularly in regard to the Motion of the OEB to consider the values of
13 the inflation factors to be used in rate adjustment applications for rates effective 2022, Board file EB-
14 2021-0212.

15
16 The customers in the Residential rate class transitioned to fully fixed rates for rates effective May 1,
17 2019 so no further transition is required.

18
19 **5.3 Retail Transmission Service Rates**
20

21 Bluewater is charged retail transmission service rates (“RTSR”) by each of the Independent Electricity
22 System Operator (“IESO”) and Hydro One Networks Inc. (“Hydro One”). Bluewater has established
23 approved rates to charge customers in order to recover those expenses.

24
25 The OEB has provided sheets 10-15 within the Rate Generator Model to compare the current retail
26 transmission costs and retail transmission revenues to the projected transmission costs. Bluewater
27 has completed the Rate Generator Model using the best available information. Each of the rate
28 categories will be seeing a 5%-6% increase in the RTSR- Connection and/or Line and Transformation
29 Connection Rate. This translates to an approximate \$.31 increase per month for the typical residential
30 customer. This increase is directly related to the increase in the Uniform Transmission rates

1 (Transformation connection Service Rate) from \$2.33/kW in 2020 to \$2.65/kW for the July to
2 December 2021 period, as well as the increase in the Hydro One Sub-Transmission Rates
3 (Transformation Connection Service Rate) from \$2.0194/kW in 2020 to \$2.0458/kW for 2021.

4
5 Bluewater acknowledges that the rates are expected to be updated with potential changes to one, or
6 both, of the IESO or Hydro One transmission service rates for 2022. Those updates will be
7 incorporated into this application prior to a final decision by the Board.

8 **5.4 Proposed Deferral and Variance Account Disposition**

9

10 This section of the application deals with the following topics:

11

12 5.4.1 Group 1 Disposition

13 5.4.2 Wholesale Market Participants

14 5.4.3 Class A and B Customers and Global Adjustment

15 5.4.4 Commodity Accounts 1588 and 1589

16 5.4.5 Capacity Based Recovery (“CBR”) Class B Disposition

17 5.4.6 Account 1595 Workform

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19

20 **5.4.1 Group 1 Disposition**

21

22 Bluewater is proposing to dispose of audited balances as of December 31, 2020 on a final basis.

23 Provided in Table 3, below, is the detailed claim by account number. The balance in the Group 1

24 accounts (Accounts 1550, 1551, 1580, 1584, 1586, 1588, and 1589) is \$314,805. This leads to a

25 threshold test value of \$0.0003/kWh, which does not meet the materiality threshold of +/-

26 \$0.001/kWh as defined in the Filing Requirements. However, Bluewater is proposing to dispose of the

27 balance over a twelve month period, commencing May 1, 2022 for all Group 1 accounts as we believe

28 that leads to smoother rates for customers. In that regard, Bluewater is planning to submit a Cost of

29 Service Rate application for 2023 rates, and we believe it is best for our customers to enter that

30 process with disposition of deferral and variance accounts balances up-to-date. Furthermore, the

1 current balance already represents two years of accumulated balances since Bluewater’s 2021 IRM
2 application (EB-2020-0005) did not include disposition of the Group 1 accounts as the balance at that
3 time was a debit of \$185,959 which was likewise below the materiality threshold. Finally, as discussed
4 below, Bluewater is also carrying a balance of \$331,601 in Account 1568 that will be disposed along
5 with these Group 1 balances for a grand total of \$646,406 proposed to be collected from customers.

6
7 Bluewater has calculated carrying charges from January 1, 2021 to April 30, 2022 at the Board’s
8 current prescribed interest rate of 0.57%.

9
10 Bluewater confirms that no adjustments have been made to any deferral or variance account balances
11 previously approved by the OEB on a final basis, and we confirm the balances as reported in the RRR
12 filings match those presented in the continuity schedule in this application with the exception of one
13 noted variance which is explained further below. We confirm the account balances as presented Tab
14 3 – Continuity Schedule of the rate generator model match the values in the audited financial
15 statements.

16
17 Bluewater is proposing disposition of Account 1568- LRAM variance account related to conservation
18 activities in this application. The variance between the level of conservation included in the 2013
19 rebasing application and the actual results for 2020, including persistence from 2011 to 2020
20 inclusive, is greater than Bluewater’s materiality threshold. Therefore, Bluewater requests disposition
21 of the amount of \$331,601. Further details supporting the claim are found in Section 5.5 of this
22 Application.

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Table 3 – Deferral and Variance Account Claim by Account

Account Descriptions	Account Number	Balances Total Claim	Account Disposition: Yes/No?	2.1.7 RRR ⁵ As of Dec 31, 2020	Variance RRR vs. 2020 Balance (Principal + Interest)
Group 1 Accounts					
LV Variance Account	1550	189,154		187,762	0
Smart Metering Entity Charge Variance Account	1551	(5,591)		(5,551)	0
RSVA - Wholesale Market Service Charge ⁵	1580	(1,085,009)		(1,188,644)	(111,576)
Variance WMS - Sub-account CBR Class A ⁵	1580	0		0	0
Variance WMS - Sub-account CBR Class B ⁵	1580	(112,410)		(111,576)	0
RSVA - Retail Transmission Network Charge	1584	536,979		532,994	0
RSVA - Retail Transmission Connection Charge	1586	76,525		75,951	0
RSVA - Power ⁴	1588	(19,401)		(19,199)	0
RSVA - Global Adjustment ⁴	1589	694,427		689,331	0
Disposition and Recovery/Refund of Regulatory Balances (2015 and pre-2015) ³	1595	0	No	0	0
Disposition and Recovery/Refund of Regulatory Balances (2016) ³	1595	0	No	0	0
Disposition and Recovery/Refund of Regulatory Balances (2017) ³	1595	40,130	Yes	39,442	0
Disposition and Recovery/Refund of Regulatory Balances (2018) ³	1595	0	No	31,955	0
Disposition and Recovery/Refund of Regulatory Balances (2019) ³	1595	0	No	(52,543)	0
Disposition and Recovery/Refund of Regulatory Balances (2020) ³	1595	0	No	(997,877)	0
Disposition and Recovery/Refund of Regulatory Balances (2021) ³ <i>Not to be disposed of until two years after rate rider has expired and that balance has been audited. Refer to the Filing Requirements for disposition eligibility.</i>	1595	0	No		0
RSVA - Global Adjustment requested for disposition	1589	694,427		689,331	0
Total Group 1 Balance excluding Account 1589 - Global Adjustment requested for disposition		(379,622)		(1,395,710)	(1,018,465)
Total Group 1 Balance requested for disposition		314,805		(706,379)	(1,018,465)
RSVA - Global Adjustment					
Total Group 1 Balance excluding Account 1589 - Global Adjustment					
Total Group 1 Balance				(\$706,379)	
LRAM Variance Account (only input amounts if applying for disposition of this ac	1568	331,601			(329,251) F
Total Group 1 Balance including Account 1568 - LRAMVA requested for disposition		646,406		(706,379)	(1,347,716)

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3

4 Variations between the 2.1.7 RRR and the balances as of Dec 31, 2020

- 5
- 6 • RSVA – Wholesale Market Service Charge (Row 23 of Tab 3): The variance of (\$111,576)
 - 7 equates to the value in the WMS – Sub-account CBR Class B (Row 25), as reported in 2.1.7
 - 8 RRR. The value presented under the column “As of Dec 31, 2020” for RSVA – Wholesale
 - 9 Market Service Charge of (\$1,188,644) includes the amount of (\$111,576) pertaining to WMS
 - 10 – Sub-account CBR Class B (Row 25). Therefore, there is no variance on an aggregate level.
 - 11 • LRAM Variance Account (Row 46): The variance of (\$329,251) pertains to the LRAMVA amount
 - 12 at the end of 2020 being requested for disposition in this 2022 IRM Rate Application. The
 - 13 amount is not booked to the variance account until the value is calculated and finalized; as a
 - result, no amount was included in RRR 2.1.7 for 2020.

1 Table 4 summarizes the amount of the disposition and the calculation of the rate riders by rate
 2 category for the Group 1 Deferral/Variance Accounts. Bluewater proposes to dispose these amounts
 3 over a twelve month period commencing May 1, 2022.

4
 5 **Table 4 – Deferral and Variance Account Balances for Proposed Disposition**

Rate Class	Unit	Allocation of Group 1 Account Balances to All Classes	Allocation of Group 1 Account Balances to Non-WMP	Deferral/Variance Account Rate Rider	Deferral/Variance Account Rate Rider for Non-WMP
RESIDENTIAL SERVICE CLASSIFICATION	kWh	(120,884)		(0.0004)	0.0000
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	kWh	(40,423)		(0.0004)	0.0000
GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION	kW	161,682	(232,843)	0.3162	(0.4623)
GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	kW	(50,277)		(0.2083)	0.0000
LARGE USE SERVICE CLASSIFICATION	kW	246,354	(228,353)	0.5338	(0.8060)
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh	(939)		(0.0004)	0.0000
SENTINEL LIGHTING SERVICE CLASSIFICATION	kW	(184)		(0.1537)	0.0000
STREET LIGHTING SERVICE CLASSIFICATION	kW	(1,345)		(0.1406)	0.0000
TOTAL		193,984	(461,196)		

6
 7

8 **5.4.2 Wholesale Market Participants**

9

10 Bluewater has two wholesale market participants (“WMP”), one in the General Service > 50 kW rate
 11 class and one in the Large Use rate class. WMPs do not contribute to the variances in Accounts 1580,
 12 1588, or 1589; therefore, the WMP customers should not be party to the disposition of these
 13 accounts.

14

15 Consequently, and in accordance with Section 3.2.5.1 of the Filing Requirements, Bluewater agrees
 16 with the calculations presented in the Rate Generator Model in determining the deferral and variance
 17 account balances to be allocated to WMPs and non-WMPs.

18

19 **5.4.3 Class A and B Customers and Global Adjustment**

20

21 The OEB has noted in the Filing Requirements that Class A customers pay Global Adjustment on an
 22 ‘actual’ basis; therefore, no variance accumulates in Account 1589 related to Class A customers once
 23 they become Class A customers. Thus, these Class A customers, in addition to WMPs, should not be

1 party to the disposition in Account 1589. Table 5, below, indicates for 2019 and 2020 the number of
 2 Class A customers and their status of Class A or Class B for each year.

3
 4

Table 5 – Class A Customers by Year

Customer	Rate Class	Class A Effective July 1, 2019	Class A Effective July 1, 2020
1	Large	Yes	Yes
2	Large	Yes	Yes
3	Large	Yes	Yes
4	Intermediate	Yes	Yes
5	Intermediate	Yes	Yes
6	Intermediate	Yes	Yes
7	Intermediate	Yes	Yes
8	Intermediate	Yes	Yes
9	Intermediate	Yes	Yes
10	Intermediate	Yes	Yes
11	Intermediate	Yes	NO
12	Intermediate	Yes	Yes
13	Intermediate	Yes	Yes
14	GEN>50	Yes	Yes
	Total Number of Class A customers	14	13

5
 6

7 At the end of 2019 Bluewater had 14 Class A customers, and no customers transitioned in to, or out
 8 of, Class A during 2019. In 2020, one customer transitioned from Class A to Class B effective July 1,
 9 2020. The customer that transitioned from Class A to Class B in 2020 falls in the Intermediate Rate
 10 Class.

11

12 Bluewater has been transitioning Non-RPP Class B customers to pay Actual GA rate when possible.
 13 The Actual GA rate is produced by the IESO and is a monthly rate as opposed to a daily or hourly rate.
 14 Thus only customers that are billed on a calendar month basis can be charged the Actual GA rate
 15 without prorating the GA rate in the billing system. All customers in the Large Use rate class are Class

1 A customers, and all customers in the General Service 1000-4999 kW (“Intermediate”) are Class A with
 2 the exception of one customer that transitioned to Class B in 2020. Customers in the Streetlighting
 3 and General Service > 50 kW rate classes are billed on a calendar month thus are charged the Actual
 4 GA rate. The remaining non-RPP Class B customers in the Residential, General Service <50 kW,
 5 Unmetered Scattered Load, and Sentinel rate classes are charged the 1st Estimate GA rate.

6
 7 Account 1589 – RSVA – Global Adjustment records the net difference between the GA amounts billed
 8 to Non-RPP customers and the GA amount charged to the LDC. The variance account therefore
 9 captures differences on both the revenue and cost side. Bluewater last disposed of the balances in
 10 this Account as of December 31, 2018 thus we are proposing to dispose of the accumulated two year
 11 balance as of December 31, 2020 in this application. Table 6 below details the amount for each year.

Table 6 – Account 1589 Global Adjustment Balance by year

	Transactions Debit/(Credit) During the year	Carrying Charges 2019	Carrying Charges 2020	Carrying Charges 2021	Carrying Charges Jan 1 2022 to April 30, 2022	Total Claim
2019	\$453,249	\$6,770	\$6,163	-\$178	-\$59	\$465,945
2020	\$217,274	\$0	\$5,875	\$4,000	\$1,333	\$228,482
TOTAL	\$670,523	\$6,770	\$12,038	\$3,822	\$1,274	\$694,427

14
 15 Bluewater’s practice was to dispose of the balance in Account 1589 to only those customers that were
 16 charged the 1st Estimate GA rate. However, given that there are variances in the account that relate
 17 to factors other than the difference between 1st Estimate and Actual GA rate, it is more appropriate to
 18 allocate the variance to all Non-RPP Class B customers.

19
 20 Variances in the deferral account include the following:

- 21 i. Differences between revenue collected for customers charged 1st Estimate GA rate and the
 22 Actual GA rate
- 23 ii. Differences in the loss factor used for billing purposes and the actual loss factor for that year
- 24 iii. Differences in unbilled revenue estimates between the year ends

iv. In the case of 2020, there is a variance between the total GA deferred credit that was applied to Bluewater by the IESO based on estimated kWh, and what the actual credit should have been based on actual kWh. The resulting variance is identified on the GA workform for 2020 and is a net reduction to the GA costs. Table 7 below details the reconciling item that is included in the GA workform for 2020.

Table 7 – GA Workform 2020 Reconciling Item

	GA Cost per General Ledger	GA Cost per GA Workform	Variance
Apr-20	\$ 1,306,513	\$ 1,294,769	\$ 11,744
May-20	\$ 1,387,053	\$ 1,356,660	\$ 30,393
Jun-20	\$ 1,535,453	\$ 1,498,496	\$ 36,957
Total	\$ 4,229,019	\$ 4,149,925	\$ 79,094

The above noted variances with the exception of (i) can be attributed to all Non-RPP Class B customers, not just those that pay the 1st estimate GA rate, so using the principle of cost causality, Bluewater is proposing to dispose of the amount \$694,427 including carrying charges to all non-RPP Class B customers.

There was one customer that transitioned from Class A to Class B in 2020, and the IRM model calculates the amount that is attributed to them based on their consumption for July to December 2020. The amount of \$5,627 is proposed to be charged to the customer over 12 monthly amounts of \$469.

The remaining balance of \$688,800 is proposed to be recovered over a 12 month period, and the rate rider calculation is outlined in Table 8 below.

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Table 8 – Non-RPP Class B GA Rate Rider

	Unit	Non-RPP Metered Consumption for Current Class B Customers (Non-RPP Consumption excluding WMP, Class A and Transition Customers' Consumption)	% of total kWh	Total GA \$ allocated to Current Class B Customers	GA Rate Rider
		kWh			
RESIDENTIAL SERVICE CLASSIFICATION	kWh	6,585,604	4.2%	\$28,679	\$0.0044
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	kWh	16,082,587	10.2%	\$70,036	\$0.0044
GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION	kWh	131,690,351	83.3%	\$573,483	\$0.0044
GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	kWh	0	0.0%	\$0	\$0.0
LARGE USE SERVICE CLASSIFICATION	kWh	0	0.0%	\$0	\$0.0
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh	331,566	0.2%	\$1,444	\$0.0044
SENTINEL LIGHTING SERVICE CLASSIFICATION	kWh	31,731	0.0%	\$138	\$0.0043
STREET LIGHTING SERVICE CLASSIFICATION	kWh	3,449,208	2.2%	\$15,021	\$0.0044
	Total	158,171,047	100%	\$688,801	

Bluewater has completed the GA Analysis Workform to support the claim for disposition for Account 1589 and notes the variance is less than 1% for both 2019 and 2020.

The GA Analysis Workform now includes a tab “Principal Adjustments”. Bluewater did not have any principal adjustments and therefore has not included any data in this tab.

5.4.4 Commodity Account 1588

The OEB released guidance on February 21, 2019, entitled “Accounting Guidance related to Accounts 1588 Power, and 1589 Global Adjustment.” The Accounting Guidance was effective January 1, 2019 and was to be implemented by August 31, 2019.

Bluewater confirms that it is in full compliance with the Accounting Guidance and the processes were implemented effective January 1, 2019.

1
 2 Bluewater is requesting final disposition for the balance in Account 1588 RSVA – Power in the amount
 3 of (\$19,401). This amount is included in the Group 1 accounts, and the amounts and resulting rate
 4 riders are presented in Table 4 further above. Bluewater has completed Tab “Account 1588” within
 5 the GA Workform, and notes that the variance in Account 1588 as a percentage of Account 4705 is
 6 0%.

7
 8

9 **5.4.5 Capacity Based Demand Response (CBR) Class B Disposition**

10

11 Bluewater has recorded Capacity Based Recovery (“CBR”) costs and revenues separately for Class A
 12 and Class B customers in the respective Account 1580 subaccounts. CBR Class A is disposed of based
 13 on the customers PDF factor and therefore there is no variance in Account 1580 – Sub Account CBR
 14 Class A.

15

16 Bluewater is proposing to dispose of “Variance WMS - Sub-Account CBR – Class B” through this
 17 Application. The total amount requested for disposition including carrying charges is (\$112,410).
 18 Bluewater is requesting a one year disposition period for the balance in this account. The proposed
 19 rate riders are presented in Table 9 below.

20

21

22

Table 9 – CBR Class B Disposition

	Unit	Metered Consumption for Current Class B Customers (Total Consumption LESS WMP, Class A and Transition Customers' Consumption)		% of total kWh	Total CBR Class B \$ allocated to Current Class B Customers	CBR Class B Rate Rider
		kWh	kW			
RESIDENTIAL SERVICE CLASSIFICATION	kWh	270,338,602	0	49.6%	(\$55,669)	(\$0.0002)
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	kWh	94,820,550	0	17.4%	(\$19,526)	(\$0.0002)
GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION	kW	173,292,361	492,214	31.8%	(\$35,685)	(\$0.0725)
GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	kW	0	0	0.0%	\$0	\$0.0000
LARGE USE SERVICE CLASSIFICATION	kW	0	0	0.0%	\$0	\$0.0000
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh	2,209,115	0	0.4%	(\$455)	(\$0.0002)
SENTINEL LIGHTING SERVICE CLASSIFICATION	kW	439,107	1,196	0.1%	(\$90)	(\$0.0753)
STREET LIGHTING SERVICE CLASSIFICATION	kW	3,449,208	9,569	0.6%	(\$710)	(\$0.0742)
Total		544,548,943	502,979	100%	(\$112,135)	

23

1 There was one customer that transitioned from Class A to Class B effective July 1, 2020. Sheet 6.2a of
2 the IRM model calculates the portion of the CBR amount that pertains to the customer for the period
3 of time in 2020 (ie. July to December 2020) that they were Class B. The total amount to be allocated
4 to the customer is -\$274. Bluewater proposes to provide one lump sum credit to the customer upon
5 implementation of the new rates effective May 1, 2022.

6

7 **5.4.6 Account 1595 Workform**

8

9 Bluewater is requesting disposition of the balance in Account 1595 (2017) in the amount of \$40,130
10 including carrying charges, as this account has been audited as part of the December 31, 2020 final
11 balances. Bluewater confirms it has not previously claimed disposition of Account 1595 (2017).

12

13 Bluewater has completed the 1595 Analysis Workform for the 2017 rate year, and the variance
14 between the principal balance approved for disposition and the amount collected is -1.3% which is
15 below the +/-10% threshold thus no further analysis is required.

16

17 The balance in Account 1595 (2017) forms part of the Group 1 disposition which is detailed above in
18 Section 5.4.1.

19

20 **5.5 Lost Revenue Adjustment Mechanism**

21

22 Bluewater is proposing recovery for lost revenue associated with the implementation of Conservation
23 and Demand Management (“CDM”) programs. The OEB has established Account 1568 LRAMVA to
24 capture the difference between OEB-approved CDM forecast and the actual results at the customer
25 rate class level.

26

27 On March 20, 2019, the Minister of Energy, Northern Development and Mines (“MEDM”) issued
28 directives to the OEB and the IESO with the effect of concluding the Conservation First Framework
29 (“CFF”) but allowing applications in progress to be completed. In addition, on July 22, 2020 the MEDM
30 directed the IESO to extend the timelines for completion of certain projects under the CFF until June

1 30, 2021, and subsequently extended the timeline to December 31, 2021. Bluewater expects to have
2 projects come into service related to the CFF extension in 2021.

3
4 Bluewater last made an LRAMVA claim in its 2021 IRM application, EB-2020-0005, for programs in 2019
5 and persistence of 2011-2018 programs to 2019, which was approved for recovery of \$357,531. In this
6 application, Bluewater is proposing to recover lost revenue for the year 2020 in the amount of \$331,601,
7 including carrying charges to the end of April 2022. The excel LRAMVA Workform is included as
8 Attachment 5 (LRAMVA Workform).

9
10 Bluewater’s CDM activities consist of programs initiated by the Independent Electricity System Operator
11 (IESO). In this application Bluewater is claiming an LRAMVA amount pertaining to lost revenues in 2020
12 and lost revenues associated with persistence of earlier programs in 2020. Bluewater is entitled to 2020
13 persistence of IESO CDM program activities from 2011 to 2020 for its lost revenue in 2020.

14
15 In 2020, Bluewater achieved 11,864,243 kWh in excess of the target for Residential customers,
16 2,976,210 kWh above target for GS < 50 kW customers, and 35,877 kWh below target for the USL class.
17 Demand savings were 57,199 kW above the target for the GS 50 – 999 kW class, 5,601 kW above the
18 forecast for the GS > 1,000 kW class, 3 kW below target for the Sentinel Light class, 44 kW below target
19 for the Street Light class, and 1,751 kW above target for the Large Use class.

20
21 Achieved consumption and demand savings figures are relative to the targets established in EB-2012-
22 0107. The LRAMVA thresholds are provided on page 25 of the Settlement Agreement of that
23 proceeding, which has been copied below in Table 10 for reference.

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Table 10 – Targets established in 2013 Cost of Service Application

Settlement Table #7 – LRAMVA Allocation

	Weather Normalized 2013F		LRAMVA Allocation (kWh)
	(Elenchus)		
	A	B	
Residential (kWh)	259,773,254	26%	4,162,607
GS<50 (kWh)	99,956,659	10%	1,601,705
GS>50 (kW)	225,433,209	22%	3,612,342
Intermediate	159,155,521	16%	2,550,308
Large Users	251,579,433	25%	4,031,309
USL (kWh)	2,238,935	0%	35,877
Sentinel Lights (kW)	627,674	0%	10,058
Street Lights (kW)	9,137,954	1%	146,427
Total Customer (kWh)	1,007,902,639	100%	16,150,632

original CDM

	Weather Normalized 2013F		LRAMVA Allocation (kW)
	(Elenchus)		
	A	B	
Residential (kWh)		0%	-
GS<50 (kWh)		0%	-
GS>50 (kW)	622,378	45%	1,126
Intermediate	335,318	24%	607
Large Users	398,793	29%	722
USL (kWh)		0%	-
Sentinel Lights (kW)	1,452	0%	3
Street Lights (kW)	24,551	2%	44
Total Customer (kWh)	1,382,492	100%	2,502

Bluewater confirms that the most recent input assumptions have been used in making this claim. Bluewater’s persisting results are based on the 2011-2014 Final Results Report, Final 2015 Annual Verified Results Report, Final 2016 Annual Verified Results Report, the Final 2017 Annual Verified Results Report, and the 2018 Participation and Cost Report (April 2019 version), all provided by the IESO. Additionally, savings from Retrofit and Process and Systems Upgrades Program projects that were completed in 2019 were derived and approved in Bluewater’s 2021 IRM.¹

¹ EB-2020-0005. Calculations of 2019 savings were provided in: “Bluewater_Attachment Staff-6 2019 LRAM_20210121”

1 Section 3.2.6.1 of the Chapter 3 Filing Requirements allow for detailed project level savings files as
2 supporting documentation when assessing applications for lost revenue where final verified results
3 from the IESO are not available. In 2020, Bluewater completed 18 projects under the Retrofit program.
4 The details supporting the Gross kWh and kW are presented by Application ID on Tab 3.a of the LRAMVA
5 workform for both the 2020 Retrofit program and 2019 adjustments to Process and Systems Upgrades
6 program. Since each project is known by customer, the rate class can be specifically assigned in order
7 to allocate the total savings for each year to the applicable rate class.

8
9 Retrofit savings in 2020 are derived by the same methodology approved in EB-2020-0005. Savings from
10 the 2020 Retrofit and adjusted savings from the 2019 Process and Systems Upgrades programs are
11 based on the cumulative savings of completed projects that were approved before April 2019, adjusted
12 by applicable realization rates and net-to-gross ratios. The 2017 Realization Rates and Net-to-Gross
13 ratios from the IESO's 2017 Industrial Programs Evaluation report have been applied to forecast savings.
14 Persistence values from the References Tables in the April 2019 Participation & Cost Report are applied
15 to savings in future years. Bluewater has provided Attachment 5.d "Bluewater LRAM Project Summary"
16 which shows the detailed analysis for the 2020 claim, as well as the 2019 analysis that was approved in
17 EB-2020-0005.

18
19 Two Measurement and Verification Reports ("M&V") related to 2019 Process and Systems Upgrades
20 projects have been produced by CLEAResult. Gross savings from those reports were used to derive
21 adjusted 2019 PSUP savings by the same methodology approved in the 2021 IRM. The difference
22 between original forecast savings and savings from the CLEAResult reports have been applied as an
23 adjustment to 2019 savings, and persistence of 2019 savings, within the LRAMVA model. This
24 adjustment results in a persisting 32 kW decline in lost load and corresponding decline to lost revenues
25 in 2020. Bluewater has included redacted versions of these 2 reports as Attachments 5.e and 5.f.

26
27 Carrying charges totaling \$2,350 have been calculated to the end of April 2022 with the OEB's Approved
28 Deferral and Variance Accounts prescribed interest rates. The interest rates for 2022 Q1, and 2022 Q2
29 have not been provided so the 2021 Q3 rate of 0.57% is used in those periods.

30

1 Bluewater has not made any adjustments to previously claimed LRAMVA amounts.

2

3 The table below produces the total claim (excluding interest) by rate class.

4

5

Table 11 - LRAMVA Claim Summary – Principal

Rate Class		2020	Total Principal
Residential	Actual	0	0
	Forecast	0	
GS < 50 kW	Actual	\$92,474	\$60,119
	Forecast	(\$32,354)	
GS 50 – 999 kW	Actual	\$262,656	\$257,585
	Forecast	(\$5,071)	
GS > 1,000 kW	Actual	\$11,402	\$10,287
	Forecast	(\$1,115)	
Sentinel	Actual	\$0	(\$83)
	Forecast	(\$83)	
Street Lighting	Actual	\$0	(\$891)
	Forecast	(\$891)	
USL	Actual	\$0	(\$1,270)
	Forecast	(\$1,270)	
Large Use	Actual	\$4,948	\$3,503
	Forecast	(\$1,445)	
Total	Actual	\$371,480	\$329,251
	Forecast	(\$42,229)	

6

7 Bluewater is proposing to dispose of these amounts over a twelve month period through rate riders
 8 effective May 1, 2022 to April 30, 2023. Table 12 below outlines the proposed disposition and the
 9 calculation of the rate riders by rate class.

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Table 12 – Proposed LRAMVA Rate Rider

Rate Class	Billing Unit	Principal	Carrying Charges	Total LRAMVA	Billing Determinants (per Sheet 4 of IRM model)	Proposed Rate Rider (\$)
Residential	kWh	\$0	\$0	\$0	270,338,602	\$0.0000
GS < 50 kW	kWh	\$60,119	\$429	\$60,549	94,820,550	\$0.0006
GS 50 - 999 kW	kW	\$257,585	\$1,839	\$259,424	511,400	\$0.5073
GS > 1,000 kW	kW	\$10,287	\$73	\$10,360	241,408	\$0.0429
Sentinel Lighting	kW	(\$83)	(\$1)	(\$84)	1,196	(\$0.0702)
Street Lighting	kW	(\$891)	(\$6)	(\$898)	9,569	(\$0.0938)
USL	kWh	(\$1,270)	(\$9)	(\$1,279)	2,209,115	(\$0.0006)
Large Use	kW	\$3,503	\$25	\$3,528	461,693	\$0.0076
Total		\$329,251	\$2,350	\$331,601		

1 **5.6 Tax Changes**

2
3 Bluewater’s corporate tax rate included in its 2013 Cost of Service Application is 24.44%. The current
4 corporate tax rate is 26.5%.

5
6 The OEB has determined that under the IRM plan, a 50/50 sharing of the impact of currently known
7 legislated tax changes as compared to the tax level reflected in the Board approved base rates for a
8 distributor applies.

9
10 The difference between the tax rate embedded in base distribution rates and the current tax rate
11 leads to an incremental tax liability of \$60,905 per year. When shared 50/50, the amount to be
12 recovered from rate payers is \$30,452.

13
14 The Decisions related to the past 6 rate applications (2016 IRM EB 2015-0053, 2017 IRM EB-2016-
15 0057, 2018 IRM EB 2017-0027, 2019 IRM EB 2018-0019, 2020 IRM EB-2019-0021 and EB-2020-0005)
16 have required the approved amount booked to Account 1595 for future disposition given that the
17 annual amount does not lead to a specific rate rider greater than 4 decimal places for all rate classes.
18 The similar situation arises for the amount proposed for the 2022 IRM Application. Bluewater requests
19 that the OEB allow Bluewater to book the current shared tax savings amount of \$30,452 to Account
20 1595 for future disposition. The amount booked will correspond to the year of the rate decision
21 relating to account 1595.

1 **5.7 Proposed Rates and Tariffs**

2
 3 The rates proposed in this application are found at Attachment 6 - Proposed Rates.
 4 An excel version of the proposed rates is included with this application.

7 **5.8 Bill Impacts**

8
 9 The bill impacts from the proposed rates are summarized in Table 13. Detailed bill impacts by rate
 10 class are found at Tab 20 of the 2021 IRM Rate Generator model.

11 **Table 13 – Proposed Monthly Bill Impacts**

12
 13

RATE CLASSES / CATEGORIES (eg: Residential TOU, Residential Retailer)	Units	Sub-Total						Total	
		A		B		C		Total Bill	
		\$	%	\$	%	\$	%	\$	%
RESIDENTIAL SERVICE CLASSIFICATION - RPP	kWh	\$ 0.45	1.4%	\$ 0.01	0.0%	\$ 0.47	1.0%	\$ 0.45	0.4%
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION - RPP	kWh	\$ 1.08	1.5%	\$ (0.12)	-0.1%	\$ 0.92	0.8%	\$ 0.87	0.3%
GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION - RPP	kW	\$ 12.54	1.7%	\$ (12.60)	-1.7%	\$ 12.15	0.9%	\$ 13.73	0.2%
GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION - Non-RPP (Other)	kW	\$ 123.59	1.7%	\$ (293.01)	-3.9%	\$ 173.39	0.9%	\$ 195.93	0.1%
LARGE USE SERVICE CLASSIFICATION - Non-RPP (Other)	kW	\$ 768.10	1.6%	\$ (1,953.90)	-4.0%	\$ 681.10	0.6%	\$ 769.64	0.1%
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION - RPP	kWh	\$ 0.65	1.6%	\$ 0.21	0.5%	\$ 0.59	1.1%	\$ 0.56	0.4%
SENTINEL LIGHTING SERVICE CLASSIFICATION - RPP	kW	\$ 26.10	1.6%	\$ 26.04	1.6%	\$ 26.09	1.6%	\$ 24.55	1.5%
STREET LIGHTING SERVICE CLASSIFICATION - Non-RPP (Other)	kW	\$ 50.72	1.5%	\$ 127.12	3.8%	\$ 136.02	3.9%	\$ 153.71	2.3%
RESIDENTIAL SERVICE CLASSIFICATION - Non-RPP (Retailer)	kWh	\$ 0.45	1.4%	\$ 3.31	8.8%	\$ 3.77	7.7%	\$ 4.26	2.9%
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION - Non-RPP (Retailer)	kWh	\$ 1.08	1.5%	\$ 8.68	10.5%	\$ 9.72	8.8%	\$ 10.99	2.9%
GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION - Non-RPP (Other)	kW	\$ 12.54	1.7%	\$ 167.80	22.2%	\$ 192.55	13.8%	\$ 217.58	3.2%

14
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 16
 17 All of which is respectfully submitted.

Attachment 1

2021 Approved Tariffs (EB-2020-0005)

Schedule A

To Decision and Rate Order

Tariff of Rates and Charges

OEB File No: EB-2020-0005

DATED: March 25, 2021

Bluewater Power Distribution Corporation

TARIFF OF RATES AND CHARGES

Effective and Implementation Date May 1, 2021

This schedule supersedes and replaces all previously approved schedules of Rates, Charges and Loss Factors

EB-2020-0005

RESIDENTIAL SERVICE CLASSIFICATION

All service supplied to single-family dwelling units for domestic or household purposes shall be classed as residential service. Where electricity service is provided for combined residential and business purposes (including agricultural usage) and the wiring does not provide for separate metering, the classification shall be in the discretion of Bluewater Power Distribution Corporation ("Bluewater Power") and shall be based on such considerations as the estimated predominant consumption or the municipal tax roll classification. A residential customer may be found in a detached, semi-detached, linear row housing, apartment building or mixed-use building. Where more than one dwelling is served by a single meter, that service shall be considered a General Service Customer. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, which may be applicable to the administration of this schedule.

No rates and charges for the distribution of electricity and charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule, unless required by the Distributor's Licence or a Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, or as specified herein.

Unless specifically noted, this schedule does not contain any charges for the electricity commodity, be it under the Regulated Price Plan, a contract with a retailer or the wholesale market price, as applicable. In addition, the charges in the MONTHLY RATES AND CHARGES - Regulatory Component of this schedule do not apply to a customer that is an embedded wholesale market participant.

It should be noted that this schedule does not list any charges, assessments, or credits that are required by law to be invoiced by a distributor and that are not subject to Ontario Energy Board approval, such as the Global Adjustment and the HST.

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	33.28
Smart Metering Entity Charge - effective until December 31, 2022	\$	0.57
Low Voltage Service Rate	\$/kWh	0.0002
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2021) - effective until April 30, 2022	\$/kWh	0.0001
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0085
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0066

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0030
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

Bluewater Power Distribution Corporation

TARIFF OF RATES AND CHARGES

Effective and Implementation Date May 1, 2021

This schedule supersedes and replaces all previously approved schedules of Rates, Charges and Loss Factors

EB-2020-0005

GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION

This classification applies to a customer not designated as Residential, and that over a twelve month period has, or a new customer forecast to have, an average monthly peak demand less than 50 kW, and has a monthly peak demand that never exceeds 100 kW. Bluewater Power shall review this rate class designation on an annual basis and the customer's designated rate class may change as a result. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, which may be applicable to the administration of this schedule.

No rates and charges for the distribution of electricity and charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule, unless required by the Distributor's Licence or a Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, or as specified herein.

Unless specifically noted, this schedule does not contain any charges for the electricity commodity, be it under the Regulated Price Plan, a contract with a retailer or the wholesale market price, as applicable. In addition, the charges in the MONTHLY RATES AND CHARGES - Regulatory Component of this schedule do not apply to a customer that is an embedded wholesale market participant.

It should be noted that this schedule does not list any charges, assessments, or credits that are required by law to be invoiced by a distributor and that are not subject to Ontario Energy Board approval, such as the Global Adjustment and the HST.

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	29.80
Smart Metering Entity Charge - effective until December 31, 2022	\$	0.57
Distribution Volumetric Rate	\$/kWh	0.0207
Low Voltage Service Rate	\$/kWh	0.0002
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2021) - effective until April 30, 2022	\$/kWh	0.0006
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0079
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0058

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0030
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

Bluewater Power Distribution Corporation

TARIFF OF RATES AND CHARGES

Effective and Implementation Date May 1, 2021

This schedule supersedes and replaces all previously approved schedules of Rates, Charges and Loss Factors

EB-2020-0005

GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION

This classification applies to a customer not designated as Residential, and that over a twelve month period has, or a new customer forecast to have, an average monthly peak demand equal to or greater than 50 kW and less than 1,000 kW. This rate class designation is reviewed on an annual basis and the customer's designated rate class may change as a result. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, which may be applicable to the administration of this schedule.

No rates and charges for the distribution of electricity and charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule, unless required by the Distributor's Licence or a Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, or as specified herein.

Unless specifically noted, this schedule does not contain any charges for the electricity commodity, be it under the Regulated Price Plan, a contract with a retailer or the wholesale market price, as applicable. In addition, the charges in the MONTHLY RATES AND CHARGES - Regulatory Component of this schedule do not apply to a customer that is an embedded wholesale market participant.

If included in the following listing of monthly rates and charges, the rate rider for the disposition of WMS - Sub-account CBR Class B is not applicable to wholesale market participants (WMP), customers that transitioned between Class A and Class B during the variance account accumulation period, or to customers that were in Class A for the entire period. Customers who transitioned are to be charged or refunded their share of the variance disposed through customer specific billing adjustments. This rate rider is to be consistently applied for the entire period to the sunset date of the rate rider. In addition, this rate rider is applicable to all new Class B customers.

If included in the following listing of monthly rates and charges, the rate rider for the disposition of Global Adjustment is only applicable to non-RPP Class B customers. It is not applicable to wholesale market participants (WMP), customers that transitioned between Class A and Class B during the variance account accumulation period, or to customers that were in Class A for the entire period. Customers who transitioned are to be charged or refunded their share of the variance disposed through customer specific billing adjustments. This rate rider is to be consistently applied for the entire period to the sunset date of the rate rider. In addition, this rate rider is applicable to all new non-RPP Class B customers.

It should be noted that this schedule does not list any charges, assessments, or credits that are required by law to be invoiced by a distributor and that are not subject to Ontario Energy Board approval, such as the Global Adjustment and the HST.

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	159.19
Distribution Volumetric Rate	\$/kW	4.6259
Low Voltage Service Rate	\$/kW	0.0748
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2021) - effective until April 30, 2022	\$/kW	0.4944
Retail Transmission Rate - Network Service Rate	\$/kW	3.1689
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	2.3456

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0030
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

Bluewater Power Distribution Corporation

TARIFF OF RATES AND CHARGES

Effective and Implementation Date May 1, 2021

This schedule supersedes and replaces all previously approved schedules of Rates, Charges and Loss Factors

EB-2020-0005

GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION

This classification applies to a customer not designated Residential, and that: over a twelve month period has, or a new customer forecast to have, an average monthly peak demand equal to or greater than 1,000 kW and less than 5,000 kW. This rate class designation is reviewed on an annual basis and the customer's designated rate class may change as a result. Class A and Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, which may be applicable to the administration of this schedule.

No rates and charges for the distribution of electricity and charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule, unless required by the Distributor's Licence or a Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, or as specified herein.

Unless specifically noted, this schedule does not contain any charges for the electricity commodity, be it under the Regulated Price Plan, a contract with a retailer or the wholesale market price, as applicable. In addition, the charges in the MONTHLY RATES AND CHARGES - Regulatory Component of this schedule do not apply to a customer that is an embedded wholesale market participant.

If included in the following listing of monthly rates and charges, the rate rider for the disposition of WMS - Sub-account CBR Class B is not applicable to wholesale market participants (WMP), customers that transitioned between Class A and Class B during the variance account accumulation period, or to customers that were in Class A for the entire period. Customers who transitioned are to be charged or refunded their share of the variance disposed through customer specific billing adjustments. This rate rider is to be consistently applied for the entire period to the sunset date of the rate rider. In addition, this rate rider is applicable to all new Class B customers.

If included in the following listing of monthly rates and charges, the rate rider for the disposition of Global Adjustment is only applicable to non-RPP Class B customers. It is not applicable to wholesale market participants (WMP), customers that transitioned between Class A and Class B during the variance account accumulation period, or to customers that were in Class A for the entire period. Customers who transitioned are to be charged or refunded their share of the variance disposed through customer specific billing adjustments. This rate rider is to be consistently applied for the entire period to the sunset date of the rate rider. In addition, this rate rider is applicable to all new non-RPP Class B customers.

It should be noted that this schedule does not list any charges, assessments, or credits that are required by law to be invoiced by a distributor and that are not subject to Ontario Energy Board approval, such as the Global Adjustment and the HST.

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	3,499.11
Distribution Volumetric Rate	\$/kW	1.8871
Low Voltage Service Rate	\$/kW	0.0820
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2021) - effective until April 30, 2022	\$/kW	0.0393
Retail Transmission Rate - Network Service Rate	\$/kW	3.3657
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	2.5714

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0030
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

Bluewater Power Distribution Corporation

TARIFF OF RATES AND CHARGES

Effective and Implementation Date May 1, 2021

This schedule supersedes and replaces all previously approved schedules of Rates, Charges and Loss Factors

EB-2020-0005

LARGE USE SERVICE CLASSIFICATION

This classification applies to a customer not designated as Residential, and that over 12 consecutive billing periods has, or a new customer forecast to have, an average monthly peak demand equal to or greater than 5,000 kW. This rate class designation is reviewed on an annual basis and the customer's designated rate class may change as a result. Class A and Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, which may be applicable to the administration of this schedule.

No rates and charges for the distribution of electricity and charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule, unless required by the Distributor's Licence or a Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, or as specified herein.

Unless specifically noted, this schedule does not contain any charges for the electricity commodity, be it under the Regulated Price Plan, a contract with a retailer or the wholesale market price, as applicable. In addition, the charges in the MONTHLY RATES AND CHARGES - Regulatory Component of this schedule do not apply to a customer that is an embedded wholesale market participant.

If included in the following listing of monthly rates and charges, the rate rider for the disposition of WMS - Sub-account CBR Class B is not applicable to wholesale market participants (WMP), customers that transitioned between Class A and Class B during the variance account accumulation period, or to customers that were in Class A for the entire period. Customers who transitioned are to be charged or refunded their share of the variance disposed through customer specific billing adjustments. This rate rider is to be consistently applied for the entire period to the sunset date of the rate rider. In addition, this rate rider is applicable to all new Class B customers.

If included in the following listing of monthly rates and charges, the rate rider for the disposition of Global Adjustment is only applicable to non-RPP Class B customers. It is not applicable to wholesale market participants (WMP), customers that transitioned between Class A and Class B during the variance account accumulation period, or to customers that were in Class A for the entire period. Customers who transitioned are to be charged or refunded their share of the variance disposed through customer specific billing adjustments. This rate rider is to be consistently applied for the entire period to the sunset date of the rate rider. In addition, this rate rider is applicable to all new non-RPP Class B customers.

It should be noted that this schedule does not list any charges, assessments, or credits that are required by law to be invoiced by a distributor and that are not subject to Ontario Energy Board approval, such as the Global Adjustment and the HST.

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	27,381.43
Distribution Volumetric Rate	\$/kW	2.0563
Low Voltage Service Rate	\$/kW	0.0938
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2021) - effective until April 30, 2022	\$/kW	0.0075
Retail Transmission Rate - Network Service Rate - Interval Metered	\$/kW	3.7266
Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered	\$/kW	2.9405

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0030
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

Issued - March 25, 2021

Bluewater Power Distribution Corporation

TARIFF OF RATES AND CHARGES

Effective and Implementation Date May 1, 2021

This schedule supersedes and replaces all previously approved schedules of Rates, Charges and Loss Factors

EB-2020-0005

UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION

This classification applies to an account whose average monthly maximum demand is less than, or a new customer forecast to be less than, 50 kW and the consumption is unmetered. Such connections include cable TV power packs, bus shelters, telephone booths, traffic lights, railway crossings, etc. The level of the consumption will be agreed to by Bluewater Power and the customer, based on detailed manufacturer information/documentation with regard to electrical consumption of the unmetered load or periodic monitoring of actual consumption. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, which may be applicable to the administration of this schedule.

No rates and charges for the distribution of electricity and charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule, unless required by the Distributor's Licence or a Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, or as specified herein.

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MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per connection)	\$	13.39
Distribution Volumetric Rate	\$/kWh	0.0364
Low Voltage Service Rate	\$/kWh	0.0002
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2021) - effective until April 30, 2022	\$/kWh	(0.0006)
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0079
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0058

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0030
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

Bluewater Power Distribution Corporation

TARIFF OF RATES AND CHARGES

Effective and Implementation Date May 1, 2021

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EB-2020-0005

SENTINEL LIGHTING SERVICE CLASSIFICATION

This classification refers to accounts that are an unmetered lighting load supplied to a sentinel light. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, which may be applicable to the administration of this schedule.

No rates and charges for the distribution of electricity and charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule, unless required by the Distributor's Licence or a Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, or as specified herein.

Unless specifically noted, this schedule does not contain any charges for the electricity commodity, be it under the Regulated Price Plan, a contract with a retailer or the wholesale market price, as applicable. In addition, the charges in the MONTHLY RATES AND CHARGES - Regulatory Component of this schedule do not apply to a customer that is an embedded wholesale market participant.

It should be noted that this schedule does not list any charges, assessments, or credits that are required by law to be invoiced by a distributor and that are not subject to Ontario Energy Board approval, such as the Global Adjustment and the HST.

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per connection)	\$	4.31
Distribution Volumetric Rate	\$/kW	28.4539
Low Voltage Service Rate	\$/kW	0.0590
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2021) - effective until April 30, 2022	\$/kW	(0.0647)
Retail Transmission Rate - Network Service Rate	\$/kW	2.4019
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.8513

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0030
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

Bluewater Power Distribution Corporation

TARIFF OF RATES AND CHARGES

Effective and Implementation Date May 1, 2021

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EB-2020-0005

STREET LIGHTING SERVICE CLASSIFICATION

This classification applies to an account for roadway lighting with a Municipality, Regional Municipality, Ministry of Transportation and private roadway lighting, controlled by photo cells. The consumption for these customers will be based on the calculated connected load times the required lighting times established in the approved Ontario Energy Board street lighting load shape template. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, which may be applicable to the administration of this schedule.

No rates and charges for the distribution of electricity and charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule, unless required by the Distributor's Licence or a Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, or as specified herein.

Unless specifically noted, this schedule does not contain any charges for the electricity commodity, be it under the Regulated Price Plan, a contract with a retailer or the wholesale market price, as applicable. In addition, the charges in the MONTHLY RATES AND CHARGES - Regulatory Component of this schedule do not apply to a customer that is an embedded wholesale market participant.

It should be noted that this schedule does not list any charges, assessments, or credits that are required by law to be invoiced by a distributor and that are not subject to Ontario Energy Board approval, such as the Global Adjustment and the HST.

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per connection)	\$	2.67
Distribution Volumetric Rate	\$/kW	20.8108
Low Voltage Service Rate	\$/kW	0.0578
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2021) - effective until April 30, 2022	\$/kW	(0.0941)
Retail Transmission Rate - Network Service Rate	\$/kW	2.3899
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.8136

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0030
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

Bluewater Power Distribution Corporation

TARIFF OF RATES AND CHARGES

Effective and Implementation Date May 1, 2021

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EB-2020-0005

microFIT SERVICE CLASSIFICATION

This classification applies to an electricity generation facility contracted under the Independent Electricity System Operator's microFIT program and connected to the distributor's distribution system. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, which may be applicable to the administration of this schedule.

No rates and charges for the distribution of electricity and charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule, unless required by the Distributor's Licence or a Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, or as specified herein.

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MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	4.55
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Bluewater Power Distribution Corporation

TARIFF OF RATES AND CHARGES

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EB-2020-0005

ALLOWANCES

Transformer Allowance for Ownership - per kW of billing demand/month	\$/kW	(0.60)
Primary Metering Allowance for Transformer Losses - applied to measured demand & energy	%	(1.00)

SPECIFIC SERVICE CHARGES

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, which may be applicable to the administration of this schedule.

No charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule, unless required by the Distributor's Licence or a Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, or as specified herein.

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Customer Administration

Duplicate invoices for previous billing	\$	15.00
Income tax letter	\$	15.00
Legal letter charge	\$	15.00
Account set up charge/change of occupancy charge (plus credit agency costs if applicable)	\$	10.00
Returned cheque (plus bank charges)	\$	15.00
Special meter reads	\$	30.00
Account history	\$	15.00
Meter dispute charge plus Measurement Canada fees (if meter found correct)	\$	30.00

Non-Payment of Account

Late payment - per month (effective annual rate 19.56% per annum or 0.04896% compounded daily rate)	%	1.50
Reconnection at meter - during regular hours	\$	65.00
Reconnection at meter - after regular hours	\$	185.00

Other

Specific charge for access to the power poles - \$/pole/year (with the exception of wireless attachments) - Approved on an Interim Basis	\$	44.50
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Bluewater Power Distribution Corporation

TARIFF OF RATES AND CHARGES

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EB-2020-0005

RETAIL SERVICE CHARGES (if applicable)

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, which may be applicable to the administration of this schedule.

No rates and charges for the distribution of electricity and charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule, unless required by the Distributor's Licence or a Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, or as specified herein.

Unless specifically noted, this schedule does not contain any charges for the electricity commodity, be it under the Regulated Price Plan, a contract with a retailer or the wholesale market price, as applicable.

It should be noted that this schedule does not list any charges, assessments, or credits that are required by law to be invoiced by a distributor and that are not subject to Ontario Energy Board approval, such as the Global Adjustment and the HST.

Retail Service Charges refer to services provided by a distributor to retailers or customers related to the supply of competitive electricity.

One-time charge, per retailer, to establish the service agreement between the distributor and the retailer	\$	104.24
Monthly fixed charge, per retailer	\$	41.70
Monthly variable charge, per customer, per retailer	\$/cust.	1.04
Distributor-consolidated billing monthly charge, per customer, per retailer	\$/cust.	0.62
Retailer-consolidated billing monthly credit, per customer, per retailer	\$/cust.	(0.62)
Service Transaction Requests (STR)		
Request fee, per request, applied to the requesting party	\$	0.52
Processing fee, per request, applied to the requesting party	\$	1.04
Request for customer information as outlined in Section 10.6.3 and Chapter 11 of the Retail Settlement Code directly to retailers and customers, if not delivered electronically through the Electronic Business Transaction (EBT) system, applied to the requesting party		
Up to twice a year	\$	no charge
More than twice a year, per request (plus incremental delivery costs)	\$	4.17
Notice of switch letter charge, per letter (unless the distributor has opted out of applying the charge as per the Ontario Energy Board's Decision and Order EB-2015-0304, issued on February 14, 2019)	\$	2.08

LOSS FACTORS

If the distributor is not capable of prorating changed loss factors jointly with distribution rates, the revised loss factors will be implemented upon the first subsequent billing for each billing cycle.

Total Loss Factor - Secondary Metered Customer < 5,000 kW	1.0421
Total Loss Factor - Secondary Metered Customer > 5,000 kW	1.0170
Total Loss Factor - Primary Metered Customer < 5,000 kW	1.0316
Total Loss Factor - Primary Metered Customer > 5,000 kW	1.0069

Attachment 2

2022 IRM Rate Generator Model

Instructions for Tabs 1, 3 to 7

Summary of Changes from the Prior Year	
1	Group 1 continuity schedule in tab 3 now shows total of Group 1 accounts, as well as total of Group 1 accounts requested for disposition.
2	The table in tab 6, 3a for transition customer consumption has been revised to show the periods "July to December" then "January to June", instead of "January to June" then "July to December" for each year.
3	The Incentive Rate-setting Application checklist now includes a check to ensure that the opening principal and interest amounts for Group 1 and 2 balances shown in the DVA Continuity Schedule, agree with the last applicable approved closing balances.

Detailed Instructions for Each Tab

Tab	Tab Details	Step	Details
1 - Information Sheet	This tab shows some information pertaining to the utility and the application.	1	<p>Complete the information sheet.</p> <p>a) Questions 2 to 4 Responses to questions 2 to 4 will open the DVA continuity schedule in tab 3 to the appropriate year that DVA balances should first be inputted.</p> <p>The continuity schedule will open starting from the year balances were last approved for disposition, unless the last approved disposition was on an interim basis and there are changes to those balances. If that is the case, the continuity schedule will open from the year of last approved disposition on a final basis. A distributor must also provide an explanation for the change in the previously approved balance.</p> <p>b) Questions 5 and 6 If the response to question 5 (GA) or 6 (CBR Class B) is yes, tab 6 relating to Class A customers' consumption will be generated. If the response to question 6 is yes, then tab 6.2 will also be generated. This tab will allocate and dispose the balance in Account 1580, sub-account CBR Class B through a separate rate rider using information inputted in tab 6, unless a rate rider is not produced. If the response to question 6 is no, then the balance in the Account 1580, sub-account CBR Class B will be allocated and disposed with Account 1580 WMS, as part of the general DVA rate rider</p>
3 - Continuity Schedule	This tab is the continuity schedule that shows all the accounts and the accumulation of the balances a utility has.	2	<p>Complete the DVA continuity schedule.</p> <p>a) <u>For all Group 1 accounts, except Account 1595:</u> The continuity schedule will open from the year the GL balance was last disposed. Start inputting the approved ending balances in the Adjustments column of that year. <i>For example, if in the 2021 rate application, DVA balances as at December 13, 2019 were approved for disposition, the continuity schedule will commence from 2019. Start by inputting the approved closing 2019 balances in the Adjustments column under 2019.</i></p> <p>b) <u>For all Account 1595 sub-accounts:</u> Complete the DVA continuity schedule for each Account 1595 vintage year that has a GL balance as at December 31, 2020, regardless of whether the account is being requested for disposition in the current application. The continuity schedule will open in the year of the earliest Account 1595 vintage year that has a balance. For each Account 1595 sub-account, start inputting data from the year the sub-account started to accumulate a balance (i.e. the vintage year). <i>For example, Account 1595 (2016) would accumulate a balance starting in 2016, when the relevant balances approved for disposition were first transferred into Account 1595 (2016). Input the amount approved for disposition in the DEB Approved Disposition column.</i></p> <p><i>Note that the DVA continuity schedule can currently start from 2015. If a utility has residual balance in an Account 1595 with a vintage year prior to 2015, include residual balances for years up to 2015 in the row for Account 1595 (2015 and pre-2015) and provide a separate schedule with amounts broken down by vintage year.</i></p>
		3	Review any balance variance between the DVA continuity schedule and the RRR in column BW. Provide an explanation, if necessary.
4 - Billing Determinant	This tab shows the billing determinants that will be used to allocate account balances and calculate rate riders.	4	Confirm the accuracy of the RRR data used to populate the tab.
		5	Review the disposition threshold calculation. Select whether disposition is being requested or not in the drop down box.
6 - Class A Data Consumption	This tab is to be completed if there were any Class A customers at any point during the period the GA balance or CBR Class B accumulated. The data on this tab is used for the purposes of determining the GA rate rider, CBR Class B rate rider (if applicable), as well as customer specific GA and CBR charges for transition customers (if applicable).	6	<p>This tab is generated when the utility selects yes to questions 5 or 6 in tab 1, indicating they had Class A customers during the period that the GA or CBR balance accumulated.</p>
		7	<p>Under #2a, indicate whether the utility had any customers that transitioned between Class A and B during the period the Account 1589 GA balance accumulated. If yes, tab 6.1a will be generated.</p>
		8	<p>Under #2b, indicate whether the utility had any customers that transitioned between Class A and B during the period the Account 1580, sub-account CBR Class B balance accumulated. If yes, tab 6.2a will be generated.</p> <p>Under #3a, enter the number of transition customers the utility had during the period the Account 1589 GA or Account 1580 CBR B balances accumulated. A table will be generated based on the number of customers.</p> <p>Complete the table accordingly for each transition customer identified (i.e. kWh/kW for half year periods, and the customer class during the half year). This data will automatically be used in the GA balance and CBR Class B balance allocation to transition customers in tabs 6.1a and 6.2a respectively. This data will also be used in the calculation of billing determinants for GA and CBR Class B balances, as applicable.</p> <p>Note that each transition customer identified in tab 6, table 3a will be assigned a customer number and the number will correspond to the same transition customer populated in tabs 6.1a and 6.2a.</p> <p>Also note that the transition customers identified for the GA may be different than those for CBR Class B. This would depend on the period in which the GA and CBR Class B balances accumulated.</p>
		9	<p>Under #3b, enter the number of rate classes in which there were full year Class A customers during the period the Account 1589 GA balance or Account 1580 CBR Class B balance accumulated. A table will be generated based on the number of rate classes.</p> <p>Complete the table accordingly for each rate class identified (i.e. total Class A consumption in the rate class identified for each year). This data will be used in the calculation of billing determinants for GA and CBR Class B, as applicable.</p>
6.1a - GA Allocation	This tab allocates the GA balance to each transition customer for the period in which these customers were Class B customers and contributed to the GA balance (i.e. former Class B customers but are now Class A customers and former Class A customers who are now Class B customers).	10	<p>This tab is generated when the utility indicates that they had transition customers in tab 6, #2a during the period the Account 1589 GA balance accumulated.</p> <p>In row 20, enter the Non-RPP consumption less WMP consumption.</p> <p>The rest of the information in this tab will be auto-populated and will calculate the customer specific allocation of the GA balance to transition customers in the bottom table. All transition customers who are allocated a specific GA amount are not to be charged the general Non-RPP Class B GA rate rider as calculated in tab 6.1.</p>
6.1 - GA	This tab calculates the GA rate rider to be applied to all non-RPP Class B customers (except for the transition customers allocated a customer specific balance in tab 6.1a).	11	Enter the proposed rate rider recovery period if different than the default 12 month period. The rest of the information in the tab is auto-populated and the GA rate riders are calculated accordingly based on whether there were any transition customers during the period that the GA balance accumulated.
6.2a - CBR_B Allocation	This tab allocates the CBR Class B balance to each transition customer for the period in which these customers were Class B customers and contributed to the CBR Class B balance (i.e. former Class B customers but are now Class A customers and former Class A customers who are now Class B).	12	<p>This tab is generated when the utility indicates that they had transition customers in tab 6, #2b during the period where the CBR Class B balance accumulated.</p> <p>In row 19, enter the total Class B consumption less WMP consumption.</p> <p>The rest of the information in this tab will be auto-populated and will calculate the customer specific allocation of the CBR Class B balance to transition customers in the bottom table. All transition customers who are allocated a specific CBR Class B amount are not to be charged the general CBR Class B rate rider.</p>
6.2 - CBR	This tab calculates the CBR Class B rate rider if there were Class A customers at any point during the period that the CBR Class B balance accumulated.	13	<p>This tab is generated when the response to question 6 in tab 1 is "yes", indicating that they had Class A customers during the period that Account 1580, sub-account CBR Class B balance accumulated.</p> <p>No input is required in this tab. The information in the tab is auto-populated and the CBR Class B rate riders are calculated accordingly. If a rate rider is not produced, the entire Account 1580 CBR Class B balance, including the amount allocated to transition customers will be transferred to Account 1580 WMS, to be disposed through the general Group 1 DVA rate rider.</p>
5 - Allocating Def-Var Balances	This tab allocates the Group 1 balances, except GA and CBR Class B (if Class A customers exist).	14	Review the allocated balances to ensure the allocation is appropriate. Note that the final allocation for Account 1580, sub-account CBR Class B is calculated after the completion of tabs 6 to 6.2a.
7 - Calculation of Def-Var RR	This tab calculates the Group 1 rate riders, except for GA and CBR Class B (if Class A customers exist)	15	Enter the proposed rate rider recovery period if different than the default 12 month period. The rest of the information in the tab is auto-populated and the rate riders are calculated accordingly.

Incentive Rate-setting Mechanism Rate Generator for 2022 Filers

Quick Link

Ontario Energy Board's 2022 Electricity
Distribution Rate Applications Webpage

Version 1.0

Utility Name	Bluewater Power Distribution Corporation
Assigned EB Number	EB-2021-0008
Name of Contact and Title	Leslie Dugas
Phone Number	519-337-8201 Ext 2255
Email Address	ldugas@bluewaterpower.com
We are applying for rates effective	May 1, 2022
Rate-Setting Method	Annual IR Index
	2013

1. Select the last Cost of Service rebasing year.

To determine the first year the continuity schedules in tab 3 will be generated for input, answer the following questions:
For all the the responses below, when selecting a year, select the year relating to the account balance. For example, if the 2019 balances that were reviewed in the 2021 rate application were to be selected, select 2019.

2. For Accounts 1588 and 1589, please indicate the year of the account balances that the accounts were last disposed on a final basis for information purposes.

2018

Determine whether scenario a or b below applies, then select the appropriate year.

a) If the account balances were last approved on a final basis, select the year of the year-end balances that were last approved for disposition on a final basis.

b) If the account balances were last approved on an interim basis, and

i) there are no changes to the previously approved interim balances, select the year of the year-end balances that were last approved for disposition on an interim basis.

ii) there are changes to the previously approved interim balances, select the year of the year-end balances that were last approved for disposition on a final basis.

2018

3. For the remaining Group 1 DVAs, please indicate the year of the account balances that were last disposed on a final basis

2018

Determine whether scenario a or b below applies, then select the appropriate year.

a) If the account balances were last approved on a final basis, select the year of the year-end balances that the balance was last approved on a final basis.

b) If the accounts were last approved on an interim basis, and

i) there are no changes to the previously approved interim balances, select the year of the year-end balances that were last approved for disposition on an interim basis.

ii) If there are changes to the previously approved interim balances, select the year of the year-end balances that were last approved for disposition on a final basis.

2018

4. Select the earliest vintage year in which there is a balance in Account 1595.

(e.g. If 2016 is the earliest vintage year in which there is a balance in a 1595 sub-account, select 2016.)

2017

5. Did you have any Class A customers at any point during the period that the Account 1589 balance accumulated (i.e. from the year the balance selected in #2 above to the year requested for disposition)?

Yes

6. Did you have any Class A customers at any point during the period where the balance in Account 1580, Sub-account CBR Class B accumulated (i.e. from the year selected in #3 above to the year requested for disposition)?

Yes

7. Retail Transmission Service Rates: Bluewater Power Distribution Corporation is:

Partially Embedded

Within

Hydro One Networks Inc.

Distribution System(s)

8. Have you transitioned to fully fixed rates?

Yes

Legend

Pale green cells represent input cells.

Pale blue cells represent drop-down lists. The applicant should select the appropriate item from the drop-down list.



Ontario Energy Board

Incentive Rate-setting Mechanism Rate Generator for 2022 Filers

Please complete the following continuity schedule for the following Deferral/Variance Accounts. Enter information into green cells only. Please see instructions tab for detailed instructions on how to complete tabs 3 to 7. Column BV has been prepopulated from the latest 2.1.7 RRR filing.

Please refer to the footnotes for further instructions.

		2017								
Account Descriptions	Account Number	Opening Principal Amounts as of Jan 1, 2017	Transactions Debit/ (Credit) during 2017	OEB-Approved Disposition during 2017	Principal Adjustments ¹ during 2017	Closing Principal Balance as of Dec 31, 2017	Opening Interest Amounts as of Jan 1, 2017	Interest Jan 1 to Dec 31, 2017	OEB-Approved Disposition during 2017	Interest Adjustments ¹ during 2017
Group 1 Accounts										
LV Variance Account	1550	0				0	0			
Smart Metering Entity Charge Variance Account	1551	0				0	0			
RSVA - Wholesale Market Service Charge ⁵	1580	0				0	0			
Variance WMS – Sub-account CBR Class A ⁵	1580	0				0	0			
Variance WMS – Sub-account CBR Class B ⁵	1580	0				0	0			
RSVA - Retail Transmission Network Charge	1584	0				0	0			
RSVA - Retail Transmission Connection Charge	1586	0				0	0			
RSVA - Power ⁴	1588	0				0	0			
RSVA - Global Adjustment ⁴	1589	0				0	0			
Disposition and Recovery/Refund of Regulatory Balances (2015 and pre-2015) ³	1595	0				0	0			
Disposition and Recovery/Refund of Regulatory Balances (2016) ³	1595	0				0	0			
Disposition and Recovery/Refund of Regulatory Balances (2017) ³	1595	0				0	0			
Disposition and Recovery/Refund of Regulatory Balances (2018) ³	1595	0				0	0			
Disposition and Recovery/Refund of Regulatory Balances (2019) ³	1595	0				0	0			
Disposition and Recovery/Refund of Regulatory Balances (2020) ³	1595	0				0	0			
Disposition and Recovery/Refund of Regulatory Balances (2021) ³	1595	0				0	0			
<i>Not to be disposed of until two years after rate rider has expired and that balance has been audited. Refer to the Filing Requirements for disposition eligibility.</i>	1595	0				0	0			
RSVA - Global Adjustment requested for disposition	1589	0	0	0	0	0	0	0	0	
Total Group 1 Balance excluding Account 1589 - Global Adjustment requested for disposition		0	0	0	0	0	0	0	0	
Total Group 1 Balance requested for disposition		0	0	0	0	0	0	0	0	
RSVA - Global Adjustment		0	0	0	0	0	0	0	0	
Total Group 1 Balance excluding Account 1589 - Global Adjustment		0	0	0	0	0	0	0	0	
Total Group 1 Balance		0	0	0	0	0	0	0	0	
LRAM Variance Account (only input amounts if applying for disposition of this account)	1568	0				0	0			
Total Group 1 Balance including Account 1568 - LRAMVA requested for disposition		0	0	0	0	0	0	0	0	



Ontario Energy Board

Incentive Rate-setting Mechanism Rate Generator for 2022 Filers

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		2018								
Account Descriptions	Account Number	Closing Interest Amounts as of Dec 31, 2017	Opening Principal Amounts as of Jan 1, 2018	Transactions Debit/ (Credit) during 2018	OEB-Approved Disposition during 2018	Principal Adjustments ¹ during 2018	Closing Principal Balance as of Dec 31, 2018	Opening Interest Amounts as of Jan 1, 2018	Interest Jan 1 to Dec 31, 2018	OEB-Approved Disposition during 2018
Group 1 Accounts										
LV Variance Account	1550	0	0			295,532	295,532	0		
Smart Metering Entity Charge Variance Account	1551	0	0			(44,983)	(44,983)	0		
RSVA - Wholesale Market Service Charge ⁵	1580	0	0			(2,627,709)	(2,627,709)	0		
Variance WMS – Sub-account CBR Class A ⁵	1580	0	0				0	0		
Variance WMS – Sub-account CBR Class B ⁵	1580	0	0			(43,988)	(43,988)	0		
RSVA - Retail Transmission Network Charge	1584	0	0			170,034	170,034	0		
RSVA - Retail Transmission Connection Charge	1586	0	0			426,739	426,739	0		
RSVA - Power ⁴	1588	0	0			(543,488)	(543,488)	0		
RSVA - Global Adjustment ⁴	1589	0	0			(1,036,962)	(1,036,962)	0		
Disposition and Recovery/Refund of Regulatory Balances (2015 and pre-2015) ³	1595	0	0			15,295	15,295	0		
Disposition and Recovery/Refund of Regulatory Balances (2016) ³	1595	0	0			86,219	86,219	0		
Disposition and Recovery/Refund of Regulatory Balances (2017) ³	1595	0	0			91,180	91,180	0		
Disposition and Recovery/Refund of Regulatory Balances (2018) ³	1595	0	0			30,493	30,493	0	358	
Disposition and Recovery/Refund of Regulatory Balances (2019) ³	1595	0	0				0	0		
Disposition and Recovery/Refund of Regulatory Balances (2020) ³	1595	0	0				0	0		
Disposition and Recovery/Refund of Regulatory Balances (2021) ³	1595	0	0				0	0		
<i>Not to be disposed of until two years after rate rider has expired and that balance has been audited. Refer to the Filing Requirements for disposition eligibility.</i>	1595	0	0				0	0		
RSVA - Global Adjustment requested for disposition	1589	0	0	0	0	(1,036,962)	(1,036,962)	0	0	0
Total Group 1 Balance excluding Account 1589 - Global Adjustment requested for disposition		0	0	0	0	(2,276,683)	(2,276,683)	0	0	0
Total Group 1 Balance requested for disposition		0	0	0	0	(3,313,645)	(3,313,645)	0	0	0
RSVA - Global Adjustment		0	0	0	0	(1,036,962)	(1,036,962)	0	0	0
Total Group 1 Balance excluding Account 1589 - Global Adjustment		0	0	0	0	(2,144,676)	(2,144,676)	0	358	0
Total Group 1 Balance		0	0	0	0	(3,181,638)	(3,181,638)	0	358	0
LRAM Variance Account (only input amounts if applying for disposition of this account)	1568	0	0				0	0		
Total Group 1 Balance including Account 1568 - LRAMVA requested for disposition		0	0	0	0	(3,313,645)	(3,313,645)	0	0	0



Ontario Energy Board

Incentive Rate-setting Mechanism Rate Generator for 2022 Filers

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Account Descriptions	Account Number	2019								
		Interest Adjustments ¹ during 2018	Closing Interest Amounts as of Dec 31, 2018	Opening Principal Amounts as of Jan 1, 2019	Transactions Debit/ (Credit) during 2019	OEB-Approved Disposition during 2019	Principal Adjustments ¹ during 2019	Closing Principal Balance as of Dec 31, 2019	Opening Interest Amounts as of Jan 1, 2019	Interest Jan 1 to Dec 31, 2019
Group 1 Accounts										
LV Variance Account	1550	6,275	6,275	295,532	91,211	180,599		206,144	6,275	5,308
Smart Metering Entity Charge Variance Account	1551	(777)	(777)	(44,983)	(3,771)	(4,887)		(43,867)	(777)	(1,029)
RSVA - Wholesale Market Service Charge ⁵	1580	(78,723)	(78,723)	(2,627,709)	(416,529)	(2,246,252)		(797,986)	(78,723)	(31,871)
Variance WMS – Sub-account CBR Class A ⁵	1580	0	0	0	0	0		0	0	
Variance WMS – Sub-account CBR Class B ⁵	1580	842	842	(43,988)	(68,533)	18,707		(131,228)	842	(1,886)
RSVA - Retail Transmission Network Charge	1584	4,423	4,423	170,034	246,935	164,857		252,112	4,423	3,846
RSVA - Retail Transmission Connection Charge	1586	9,980	9,980	426,739	(86,001)	269,978		70,760	9,980	3,996
RSVA - Power ⁴	1588	(20,182)	(20,182)	(543,488)	(48,316)	265,701		(857,505)	(20,182)	(6,880)
RSVA - Global Adjustment ⁴	1589	3,036	3,036	(1,036,962)	453,249	(552,484)		(31,229)	3,036	(1,047)
Disposition and Recovery/Refund of Regulatory Balances (2015 and pre-2015) ³	1595	(51,343)	(51,343)	15,295		15,295		0	(51,343)	
Disposition and Recovery/Refund of Regulatory Balances (2016) ³	1595	112,840	112,840	86,219		86,219		0	112,840	
Disposition and Recovery/Refund of Regulatory Balances (2017) ³	1595	(60,444)	(60,444)	91,180	(592)			90,588	(60,444)	8,878
Disposition and Recovery/Refund of Regulatory Balances (2018) ³	1595	0	358	30,493				30,493	358	685
Disposition and Recovery/Refund of Regulatory Balances (2019) ³	1595		0	0	(602,533)			(602,533)	0	(28,638)
Disposition and Recovery/Refund of Regulatory Balances (2020) ³	1595		0	0				0	0	
Disposition and Recovery/Refund of Regulatory Balances (2021) ³	1595		0	0				0	0	
<i>Not to be disposed of until two years after rate rider has expired and that balance has been audited. Refer to the Filing Requirements for disposition eligibility.</i>	1595		0	0				0	0	
RSVA - Global Adjustment requested for disposition	1589	3,036	3,036	(1,036,962)	453,249	(552,484)	0	(31,229)	3,036	(1,047)
Total Group 1 Balance excluding Account 1589 - Global Adjustment requested for disposition		(138,606)	(138,606)	(2,276,683)	(285,596)	(1,351,297)	0	(1,210,982)	(138,606)	(19,638)
Total Group 1 Balance requested for disposition		(135,570)	(135,570)	(3,313,645)	167,653	(1,903,781)	0	(1,242,211)	(135,570)	(20,685)
RSVA - Global Adjustment		3,036	3,036	(1,036,962)	453,249	(552,484)	0	(31,229)	3,036	(1,047)
Total Group 1 Balance excluding Account 1589 - Global Adjustment		(77,109)	(76,751)	(2,144,676)	(888,129)	(1,249,783)	0	(1,783,022)	(76,751)	(47,591)
Total Group 1 Balance		(74,073)	(73,715)	(3,181,638)	(434,880)	(1,802,267)	0	(1,814,251)	(73,715)	(48,638)
LRAM Variance Account (only input amounts if applying for disposition of this account)	1568		0	0				0	0	
Total Group 1 Balance including Account 1568 - LRAMVA requested for disposition		(135,570)	(135,570)	(3,313,645)	167,653	(1,903,781)	0	(1,242,211)	(135,570)	(20,685)



Ontario Energy Board

Incentive Rate-setting Mechanism Rate Generator for 2022 Filers

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				2020						
Account Descriptions	Account Number	OEB-Approved Disposition during 2019	Interest Adjustments ¹ during 2019	Closing Interest Amounts as of Dec 31, 2019	Opening Principal Amounts as of Jan 1, 2020	Transactions Debit/ (Credit) during 2020	OEB-Approved Disposition during 2020	Principal Adjustments ¹ during 2020	Closing Principal Balance as of Dec 31, 2020	Opening Interest Amounts as of Jan 1, 2020
Group 1 Accounts										
LV Variance Account	1550	6,582		5,001	206,144	92,003	114,933		183,214	5,001
Smart Metering Entity Charge Variance Account	1551	(303)		(1,503)	(43,867)	(1,526)	(40,096)		(5,297)	(1,503)
RSVA - Wholesale Market Service Charge ⁵	1580	(91,351)		(19,243)	(797,986)	(628,329)	(381,457)		(1,044,858)	(19,243)
Variance WMS – Sub-account CBR Class A ⁵	1580			0	0				0	0
Variance WMS – Sub-account CBR Class B ⁵	1580	1,689		(2,733)	(131,228)	(41,228)	(62,695)		(109,761)	(2,733)
RSVA - Retail Transmission Network Charge	1584	6,754		1,515	252,112	277,453	5,177		524,388	1,515
RSVA - Retail Transmission Connection Charge	1586	10,360		3,616	70,760	161,495	156,761		75,494	3,616
RSVA - Power ⁴	1588	(6,646)		(20,416)	(857,505)	21,753	(809,189)		(26,563)	(20,416)
RSVA - Global Adjustment ⁴	1589	(4,781)		6,770	(31,229)	217,274	(484,478)		670,523	6,770
Disposition and Recovery/Refund of Regulatory Balances (2015 and pre-2015) ³	1595	(50,947)	396	0	0				0	0
Disposition and Recovery/Refund of Regulatory Balances (2016) ³	1595	112,315	(525)	0	0				0	0
Disposition and Recovery/Refund of Regulatory Balances (2017) ³	1595	0		(51,566)	90,588				90,588	(51,566)
Disposition and Recovery/Refund of Regulatory Balances (2018) ³	1595	0		1,043	30,493				30,493	1,043
Disposition and Recovery/Refund of Regulatory Balances (2019) ³	1595	0		(28,638)	(602,533)	582,199			(20,334)	(28,638)
Disposition and Recovery/Refund of Regulatory Balances (2020) ³	1595			0	0	(950,619)			(950,619)	0
Disposition and Recovery/Refund of Regulatory Balances (2021) ³	1595			0	0				0	0
<i>Not to be disposed of until two years after rate rider has expired and that balance has been audited. Refer to the Filing Requirements for disposition eligibility.</i>	1595			0	0				0	0
RSVA - Global Adjustment requested for disposition	1589	(4,781)	0	6,770	(31,229)	217,274	(484,478)	0	670,523	6,770
Total Group 1 Balance excluding Account 1589 - Global Adjustment requested for disposition		(72,915)	0	(85,329)	(1,210,982)	(118,379)	(1,016,566)	0	(312,795)	(85,329)
Total Group 1 Balance requested for disposition		(77,696)	0	(78,559)	(1,242,211)	98,895	(1,501,044)	0	357,728	(78,559)
RSVA - Global Adjustment		(4,781)	0	6,770	(31,229)	217,274	(484,478)	0	670,523	6,770
Total Group 1 Balance excluding Account 1589 - Global Adjustment		(11,547)	(129)	(112,924)	(1,783,022)	(486,799)	(1,016,566)	0	(1,253,255)	(112,924)
Total Group 1 Balance		(16,328)	(129)	(106,154)	(1,814,251)	(269,525)	(1,501,044)	0	(582,732)	(106,154)
LRAM Variance Account (only input amounts if applying for disposition of this account)	1568			0	0	329,251	0		329,251	0
Total Group 1 Balance including Account 1568 - LRAMVA requested for disposition		(77,696)	0	(78,559)	(1,242,211)	428,146	(1,501,044)	0	686,979	(78,559)



Ontario Energy Board

Incentive Rate-setting Mechanism Rate Generator for 2022 Filers

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Account Descriptions	Account Number					2021				Projected In
		Interest Jan 1 to Dec 31, 2020	OEB-Approved Disposition during 2020	Interest Adjustments ¹ during 2020	Closing Interest Amounts as of Dec 31, 2020	Principal Disposition during 2021 - instructed by OEB	Interest Disposition during 2021 - instructed by OEB	Closing Principal Balances as of Dec 31, 2020 Adjusted for Disposition during 2021	Closing Interest Balances as of Dec 31, 2020 Adjusted for Disposition during 2021	Projected Interest from Jan 1, 2021 to Dec 31, 2021 on Dec 31, 2020 balance adjusted for disposition during 2021 ²
Group 1 Accounts										
LV Variance Account	1550	2,658	3,111		4,548			183,214	4,548	1,044
Smart Metering Entity Charge Variance Account	1551	(418)	(1,667)		(254)			(5,297)	(254)	(30)
RSVA - Wholesale Market Service Charge ⁵	1580	(11,684)	1,283		(32,210)			(1,044,858)	(32,210)	(5,956)
Variance WMS – Sub-account CBR Class A ⁵	1580				0			0	0	0
Variance WMS – Sub-account CBR Class B ⁵	1580	(1,794)	(2,712)		(1,815)			(109,761)	(1,815)	(626)
RSVA - Retail Transmission Network Charge	1584	4,914	(2,177)		8,606			524,388	8,606	2,989
RSVA - Retail Transmission Connection Charge	1586	1,123	4,282		457			75,494	457	430
RSVA - Power ⁴	1588	(9,823)	(37,603)		7,364			(26,563)	7,364	(151)
RSVA - Global Adjustment ⁴	1589	5,446	(6,592)		18,808			670,523	18,808	3,822
Disposition and Recovery/Refund of Regulatory Balances (2015 and pre-2015) ³	1595				0			0	0	0
Disposition and Recovery/Refund of Regulatory Balances (2016) ³	1595				0			0	0	0
Disposition and Recovery/Refund of Regulatory Balances (2017) ³	1595	420			(51,146)			90,588	(51,146)	516
Disposition and Recovery/Refund of Regulatory Balances (2018) ³	1595	419			1,462			30,493	1,462	174
Disposition and Recovery/Refund of Regulatory Balances (2019) ³	1595	(3,571)			(32,209)			(20,334)	(32,209)	(116)
Disposition and Recovery/Refund of Regulatory Balances (2020) ³	1595	(47,258)			(47,258)			(950,619)	(47,258)	(5,419)
Disposition and Recovery/Refund of Regulatory Balances (2021) ³ <i>Not to be disposed of until two years after rate rider has expired and that balance has been audited. Refer to the Filing Requirements for disposition eligibility.</i>	1595				0			0	0	
RSVA - Global Adjustment requested for disposition	1589	5,446	(6,592)	0	18,808	0	0	670,523	18,808	3,822
Total Group 1 Balance excluding Account 1589 - Global Adjustment requested for disposition		(14,604)	(35,483)	0	(64,450)	0	0	(312,795)	(64,450)	(1,783)
Total Group 1 Balance requested for disposition		(9,158)	(42,075)	0	(45,642)	0	0	357,728	(45,642)	2,039
RSVA - Global Adjustment		5,446	(6,592)	0	18,808	0	0	670,523	18,808	3,822
Total Group 1 Balance excluding Account 1589 - Global Adjustment		(65,014)	(35,483)	0	(142,455)	0	0	(1,253,255)	(142,455)	(7,144)
Total Group 1 Balance		(59,568)	(42,075)	0	(123,647)	0	0	(582,732)	(123,647)	(3,322)
LRAM Variance Account (only input amounts if applying for disposition of this account)	1568				0			329,251	0	2,350
Total Group 1 Balance including Account 1568 - LRAMVA requested for disposition		(9,158)	(42,075)	0	(45,642)	0	0	686,979	(45,642)	4,389



Ontario Energy Board

Incentive Rate-setting Mechanism Rate Generator for 2022 Filers

Please complete the following continuity schedule for the following Deferral/Variance Accounts. Enter information into green cells only. Please see instructions tab for detailed instructions on how to complete tabs 3 to 7. Column BV has been prepopulated from the latest 2.1.7 RRR filing.

Please refer to the footnotes for further instructions.

		Interest on Dec-31-2020 Balances				2.1.7 RRR ⁵	
Account Descriptions	Account Number	Projected Interest from Jan 1, 2022 to Apr 30, 2022 on Dec 31, 2020 balance adjusted for disposition during 2021 ²	Total Interest	Total Claim	Account Disposition: Yes/No?	As of Dec 31, 2020	Variance RRR vs. 2020 Balance (Principal + Interest)
Group 1 Accounts							
LV Variance Account	1550	348	5,940	189,154		187,762	0
Smart Metering Entity Charge Variance Account	1551	(10)	(294)	(5,591)		(5,551)	0
RSVA - Wholesale Market Service Charge ⁵	1580	(1,985)	(40,151)	(1,085,009)		(1,188,644)	(111,576)
Variance WMS – Sub-account CBR Class A ⁵	1580	0	0	0		0	0
Variance WMS – Sub-account CBR Class B ⁵	1580	(209)	(2,649)	(112,410)		(111,576)	0
RSVA - Retail Transmission Network Charge	1584	996	12,591	536,979		532,994	0
RSVA - Retail Transmission Connection Charge	1586	143	1,031	76,525		75,951	0
RSVA - Power ⁴	1588	(50)	7,162	(19,401)		(19,199)	0
RSVA - Global Adjustment ⁴	1589	1,274	23,904	694,427		689,331	0
Disposition and Recovery/Refund of Regulatory Balances (2015 and pre-2015) ³	1595	0	0	0	No	0	0
Disposition and Recovery/Refund of Regulatory Balances (2016) ³	1595	0	0	0	No	0	0
Disposition and Recovery/Refund of Regulatory Balances (2017) ³	1595	172	(50,458)	40,130	Yes	39,442	0
Disposition and Recovery/Refund of Regulatory Balances (2018) ³	1595	58	1,694	0	No	31,955	0
Disposition and Recovery/Refund of Regulatory Balances (2019) ³	1595	(39)	(32,364)	0	No	(52,543)	0
Disposition and Recovery/Refund of Regulatory Balances (2020) ³	1595	(1,806)	(54,483)	0	No	(997,877)	0
Disposition and Recovery/Refund of Regulatory Balances (2021) ³	1595				No		0
<i>Not to be disposed of until two years after rate rider has expired and that balance has been audited. Refer to the Filing Requirements for disposition eligibility.</i>	1595		0	0	No		0
RSVA - Global Adjustment requested for disposition	1589	1,274	23,904	694,427		689,331	0
Total Group 1 Balance excluding Account 1589 - Global Adjustment requested for disposition		(594)	(66,827)	(379,622)		(1,395,710)	(1,018,465)
Total Group 1 Balance requested for disposition		680	(42,923)	314,805		(706,379)	(1,018,465)
RSVA - Global Adjustment		1,274	23,904				
Total Group 1 Balance excluding Account 1589 - Global Adjustment		(2,381)	(151,980)				
Total Group 1 Balance		(1,107)	(128,076)			(706,379)	
LRAM Variance Account (only input amounts if applying for disposition of this account)	1568		2,350	331,601			(329,251)
Total Group 1 Balance including Account 1568 - LRAMVA requested for disposition		680	(40,573)	646,406		(706,379)	(1,347,716)

Incentive Rate-setting Mechanism Rate Generator for 2022 Filers

Data on this worksheet has been populated using your most recent RRR filing.

If you have identified any issues, please contact the OEB.

Have you confirmed the accuracy of the data below?

If a distributor uses the actual GA price to bill non-RPP Class B customers for an entire rate class, it must exclude these customers from the allocation of the GA balance and the calculation of the resulting rate riders. These rate classes are not to be charged/refunded the general GA rate rider as they did not contribute to the GA balance.

Please contact the OEB to make adjustments to the IRM rate generator for this situation.

Rate Class	Unit	Total Metered kWh	Total Metered kW	Metered kWh for Non-RPP Customers (excluding WMP)	Metered kW for Non-RPP Customers (excluding WMP)	Metered kWh for Wholesale Market Participants (WMP)	Metered kW for Wholesale Market Participants (WMP)	Total Metered kWh less WMP consumption (if applicable)	Total Metered kW less WMP consumption (if applicable)	1595 Recovery Proportion (2017) ¹	1568 LRAM Variance Account Class Allocation (\$ amounts)	Number of Customers for Residential and GS<50 classes ³
RESIDENTIAL SERVICE CLASSIFICATION	kWh	270,338,602	0	6,585,604	0	0	0	270,338,602	0	25%	0	33,044
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	kWh	94,820,550	0	16,082,587	0	0	0	94,820,550	0	11%	60,549	3,491
GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION	kW	182,593,248	511,400	136,907,644	382,344	4,083,594	7,776	178,509,654	503,624	21%	259,424	
GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	kW	121,864,255	241,408	121,864,255	241,408	0	0	121,864,255	241,408	16%	10,360	
LARGE USE SERVICE CLASSIFICATION	kW	281,204,845	461,493	175,067,525	283,327	106,137,320	178,166	175,067,525	283,327	26%	3,528	
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh	2,209,115	0	331,566	0	0	0	2,209,115	0	0%	-1,279	
SENTINEL LIGHTING SERVICE CLASSIFICATION	kW	439,107	1,196	31,731	87	0	0	439,107	1,196	0%	-84	
STREET LIGHTING SERVICE CLASSIFICATION	kW	3,449,208	9,569	3,449,208	9,569	0	0	3,449,208	9,569	1%	-898	
Total		956,918,930	1,225,066	460,320,120	916,735	110,220,914	185,942	846,698,016	1,039,124	100%	331,600	36,535

Threshold Test

Total Claim (including Account 1568)

\$646,406

Total Claim for Threshold Test (All Group 1 Accounts)

\$314,805

Threshold Test (Total claim per kWh) ²

\$0.0003 **Claim does not meet the threshold test.**

AS per SECTION 3.2.5 OF THE 2019 FILING REQUIREMENTS FOR ELECTRICITY Distribution Rate Applications, an applicant may elect to dispose of the Group 1 account balances below the threshold. If doing so, please select YES from the adjacent drop-down cell and also indicate so in the Manager's Summary. If not, please select NO.

YES

Incentive Rate-setting Mechanism Rate Generator for 2022 Filers

No input required. This worksheet allocates the deferral/variance account balances (Group 1 and Account 1568) to the appropriate classes as per EDDVAR dated July 31, 2009.

Allocation of Group 1 Accounts (including Account 1568)

Rate Class	% of Total kWh	% of Customer Numbers **	% of Total kWh adjusted for WMP	allocated based on Total less WMP			allocated based on Total less WMP				
				1550	1551	1580	1584	1586	1588	1595_(2017)	1568
RESIDENTIAL SERVICE CLASSIFICATION	28.3%	90.4%	31.9%	53,438	(5,057)	(346,428)	151,702	21,619	(6,194)	10,037	0
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	9.9%	9.6%	11.2%	18,743	(534)	(121,509)	53,209	7,583	(2,173)	4,257	60,549
GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION	19.1%	0.0%	21.1%	36,093	0	(228,753)	102,463	14,602	(4,090)	8,523	259,424
GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	12.7%	0.0%	14.4%	24,089	0	(156,164)	68,385	9,745	(2,792)	6,460	10,360
LARGE USE SERVICE CLASSIFICATION	29.4%	0.0%	20.7%	55,586	0	(224,342)	157,799	22,488	(4,011)	10,481	3,528
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	0.2%	0.0%	0.3%	437	0	(2,831)	1,240	177	(51)	90	(1,279)
SENTINEL LIGHTING SERVICE CLASSIFICATION	0.0%	0.0%	0.1%	87	0	(563)	246	35	(10)	21	(84)
STREET LIGHTING SERVICE CLASSIFICATION	0.4%	0.0%	0.4%	682	0	(4,420)	1,936	276	(79)	261	(898)
Total	100.0%	100.0%	100.0%	189,154	(5,591)	(1,085,009)	536,979	76,525	(19,401)	40,130	331,600

** Used to allocate Account 1551 as this account records the variances arising from the Smart Metering Entity Charges to Residential and GS<50 customers.

Incentive Rate-setting Mechanism Rate Generator for 2022 Filers

1a The year Account 1589 GA was last disposed

1b The year Account 1580 CBR Class B was last disposed Note that the sub-account was established in 2015.

2a Did you have any customers who transitioned between Class A and Class B (transition customers) during the period the Account 1589 GA balance accumulated (i.e. from the year after the balance was last disposed per #1a above to the current year requested for disposition)?

(If you received approval to dispose of the CBR Class B account balance as at December 31, 2017, the period the GA variance accumulated would be 2018 to 2020.)

2b Did you have any customers who transitioned between Class A and Class B (transition customers) during the period the Account 1580, sub-account CBR Class B balance accumulated (i.e. from the year after the balance was last disposed per #1b above to the current year requested for disposition)?

(If you received approval to dispose of the CBR Class B account balance as at December 31, 2017, the period the GA variance accumulated would be 2018 to 2020.)

3a Enter the number of transition customer you had during the period the Account 1589 GA or Account 1580 CBR B balance accumulated (i.e. from the year after the balance was last disposed per #1a/1b above to the current year requested for disposition).

Transition Customers - Non-loss Adjusted Billing Determinants by Customer

Customer	Rate Class		2020		2019	
			July to December	January to June	July to December	January to June
Customer 1	GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	kWh	2,664,065	2,246,502	2,889,562	2,741,504
		kW	5,598	5,359	6,847	6,271
		Class A/B	B	A	A	A

3b Enter the number of rate classes in which there were customers who were Class A for the full year during the period the Account 1589 GA or Account 1580 CBR B balance accumulated (i.e. from the year after the balance was last disposed per #1a/1b above to the current year requested for disposition).

In the table, enter the total Class A consumption for full year Class A customers in each rate class for each year, including any transition customer's consumption identified in table 3a above that were Class A customers for the full year before/after the transition year (E.g. If a customer transitioned from Class B to A in 2019, exclude this customer's consumption for 2019 but include this customer's consumption in 2020 as they were a Class A customer for the full year).

Rate Classes with Class A Customers - Billing Determinants by Rate Class

Rate Class	Rate Class		2020		2019	
			kWh	kW	kWh	kW
Rate Class 1	GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION	kWh	5,217,293		5,207,123	
		kW	11,410		10,877	
Rate Class 2	GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	kWh	116,953,688		130,006,949	
		kW	230,451		255,185	
Rate Class 3	LARGE USE SERVICE CLASSIFICATION	kWh	175,067,525		175,606,018	
		kW	283,327		291,233	

Incentive Rate-setting Mechanism Rate Generator for 2022 Filers

This tab allocates the GA balance to transition customers (i.e Class A customers who were former Class B customers and Class B customers who were former Class A customers) who contributed to the current GA balance. The tables below calculate specific amounts for each customer who made the change. The general GA rate rider to non-RPP customers is not to be charged to the transition customers that are allocated amounts in the table below. Consistent with prior decisions, distributors are generally expected to settle the amount through 12 equal adjustments to bills.

Year the Account 1589 GA Balance Last Disposed

2018

Allocation of total Non-RPP Consumption (kWh) between Current Class B and Class A/B Transition Customers

		Total	2020	2019
Non-RPP Consumption Less WMP Consumption	A	939,098,881	460,320,120	478,778,761
Less Class A Consumption for Partial Year Class A Customers	B	2,246,502	2,246,502	-
Less Consumption for Full Year Class A Customers	C	608,058,596	297,238,506	310,820,090
Total Class B Consumption for Years During Balance Accumulation	D = A-B-C	328,793,783	160,835,112	167,958,671
All Class B Consumption for Transition Customers	E	2,664,065	2,664,065	-
Transition Customers' Portion of Total Consumption	F = E/D	0.81%		

Allocation of Total GA Balance \$

Total GA Balance	G	\$ 694,427
Transition Customers Portion of GA Balance	H=F*G	\$ 5,627
GA Balance to be disposed to Current Class B Customers through Rate Rider	I=G-H	\$ 688,800

Allocation of GA Balances to Class A/B Transition Customers

# of Class A/B Transition Customers	1						
Customer		Total Metered Consumption (kWh) for Transition Customers During the Period When They Were Class B Customers	Metered Consumption (kWh) for Transition Customers During the Period When They Were Class B Customers in 2020	Metered Consumption (kWh) for Transition Customers During the Period When They Were Class B Customers in 2019	% of kWh	Customer Specific GA Allocation for the Period When They Were Class B customers	Monthly Equal Payments
Customer 1		2,664,065	2,664,065	0	100.00%	\$ 5,627	\$ 469
Total		2,664,065	2,664,065	0	100.00%	\$ 5,627	

Incentive Rate-setting Mechanism Rate Generator for 2022 Filers

The purpose of this tab is to calculate the GA rate riders for all current Class B customers who did not transition between Class A and B in the period since the Account 1589 GA was last disposed. Calculations in this tab will be modified upon completion of tab 6.1a, which allocates a portion of the GA balance to transition customers, if applicable. Effective January 2017, the billing determinant and all rate riders for the disposition of GA balances will be calculated on an energy basis (kWhs) regardless of the billing determinant used for distribution rates for the particular class (see Chapter 3, Filing Requirements, section 3.2.5.2)

Default Rate Rider Recovery Period (in months)	12
Proposed Rate Rider Recovery Period (in months)	12

Rate Rider Recovery to be used below

	Total Metered Non-RPP 2020 Consumption excluding WMP	Total Metered 2020 Consumption for Class A Customers that were Class A for the entire period GA balance accumulated	Total Metered 2020 Consumption for Customers that Transitioned Between Class A and B during the period GA balance accumulated	Non-RPP Metered Consumption for Current Class B Customers (Non-RPP Consumption excluding WMP, Class A and Transition Customers' Consumption)	% of total kWh	Total GA \$ allocated to Current Class B Customers	GA Rate Rider		
	kWh	kWh	kWh	kWh					
RESIDENTIAL SERVICE CLASSIFICATION	kWh	6,585,604	0	0	6,585,604	4.2%	\$28,679	\$0.0044	kWh
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	kWh	16,082,587	0	0	16,082,587	10.2%	\$70,036	\$0.0044	kWh
GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION	kWh	136,907,644	5,217,293	0	131,690,351	83.3%	\$573,483	\$0.0044	kWh
GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	kWh	121,864,255	116,953,688	4,910,567	0	0.0%	\$0	\$0.0000	
LARGE USE SERVICE CLASSIFICATION	kWh	175,067,525	175,067,525	0	0	0.0%	\$0	\$0.0000	
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh	331,566	0	0	331,566	0.2%	\$1,444	\$0.0044	kWh
SENTINEL LIGHTING SERVICE CLASSIFICATION	kWh	31,731	0	0	31,731	0.0%	\$138	\$0.0043	kWh
STREET LIGHTING SERVICE CLASSIFICATION	kWh	3,449,208	0	0	3,449,208	2.2%	\$15,021	\$0.0044	kWh
Total		460,320,120	297,238,506	4,910,567	158,171,047	100.0%	\$688,801		



Incentive Rate-setting Mechanism Rate Generator for 2022 Filers

This tab allocates the CBR Class B balance to transition customers (i.e Class A customers who were former Class B customers and Class B customers who were former Class A customers) who contributed to the current CBR Class B balance. The tables below calculate specific amounts for each customer who made the change. The general CBR Class B rate rider is not to be charged to the transition customers that are allocated amounts in the table below. Consistent with prior decisions, distributors are generally expected to settle the amount through 12 equal adjustments to bills.

Year Account 1580 CBR Class B was Last Disposed 2018

Allocation of Total Consumption (kWh) between Current Class B and Class A/B Transition Customers

		Total	2020	2019
Total Consumption Less WMP Consumption	A	1,702,109,447	846,698,016	855,411,431
Less Class A Consumption for Partial Year Class A Customers	B	2,246,502	2,246,502	-
Less Consumption for Full Year Class A Customers	C	608,058,596	297,238,506	310,820,090
Total Class B Consumption for Years During Balance Accumulation	D = A-B-C	1,091,804,349	547,213,008	544,591,341
All Class B Consumption for Transition Customers	E	2,664,065	2,664,065	-
Transition Customers' Portion of Total Consumption	F = E/D	0.24%		

Allocation of Total CBR Class B Balance \$

Total CBR Class B Balance	G	-\$ 112,410
Transition Customers Portion of CBR Class B Balance	H=F*G	-\$ 274
CBR Class B Balance to be disposed to Current Class B Customers through Rate Rider	I=G-H	-\$ 112,136

Allocation of CBR Class B Balances to Transition Customers

# of Class A/B Transition Customers		1					
Customer		Total Metered Class B Consumption (kWh) for Transition Customers During the Period When They were Class B Customers	Metered Class B Consumption (kWh) for Transition Customers During the Period When They were Class B Customers in 2020	Metered Class B Consumption (kWh) for Transition Customers During the Period When They were Class B Customers in 2019	% of kWh	Customer Specific CBR Class B Allocation for the Period When They Were Class B Customers	Monthly Equal Payments
Customer 1		2,664,065	2,664,065	-	100.00%	-\$ 274	-\$ 23
Total		2,664,065	2,664,065	-	100.00%	-\$ 274	-\$ 23

Incentive Rate-setting Mechanism Rate Generator for 2022 Filers

No input required. The purpose of this tab is to calculate the CBR rate riders for all current Class B customers who did not transition between Class A and B in the period since the Account 1580, sub-account CBR Class B balance accumulated.

The year Account 1580 CBR Class B was last disposed

2018

		Total Metered 2020 Consumption Minus WMP		Total Metered 2020 Consumption for Full Year Class A Customers		Total Metered 2020 Consumption for Transition Customers		Metered Consumption for Current Class B Customers (Total Consumption LESS WMP, Class A and Transition Customers' Consumption)		% of total kWh	Total CBR Class B \$ allocated to Current Class B Customers	CBR Class B Rate Rider	Unit
		kWh	kW	kWh	kW	kWh	kW	kWh	kW				
RESIDENTIAL SERVICE CLASSIFICATION	kWh	270,338,602	0	0	0	0	0	270,338,602	0	49.6%	(\$55,669)	(\$0.0002)	kWh
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	kWh	94,820,550	0	0	0	0	0	94,820,550	0	17.4%	(\$19,526)	(\$0.0002)	kWh
GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION	kW	178,509,654	503,624	5,217,293	11,410	0	0	173,292,361	492,214	31.8%	(\$35,685)	(\$0.0725)	kW
GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	kW	121,864,255	241,408	116,953,688	230,451	4,910,567	10,957	0	0	0.0%	\$0	\$0.0000	kW
LARGE USE SERVICE CLASSIFICATION	kW	175,067,525	283,327	175,067,525	283,327	0	0	0	0	0.0%	\$0	\$0.0000	kW
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh	2,209,115	0	0	0	0	0	2,209,115	0	0.4%	(\$455)	(\$0.0002)	kWh
SENTINEL LIGHTING SERVICE CLASSIFICATION	kW	439,107	1,196	0	0	0	0	439,107	1,196	0.1%	(\$90)	(\$0.0753)	kW
STREET LIGHTING SERVICE CLASSIFICATION	kW	3,449,208	9,569	0	0	0	0	3,449,208	9,569	0.6%	(\$710)	(\$0.0742)	kW
Total		846,698,016	1,039,124	297,238,506	525,188	4,910,567	10,957	544,548,943	502,979	100.0%	(\$112,135)		

Incentive Rate-setting Mechanism Rate Generator for 2022 Filers

Input required at cells C13 and C14. This worksheet calculates rate riders related to the Deferral/Variance Account Disposition (if applicable) and rate riders for Account 1568. Rate Riders will not be generated for the microFIT class.

Default Rate Rider Recovery Period (in months)	12	
DVA Proposed Rate Rider Recovery Period (in months)	12	Rate Rider Recovery to be used below
LRAM Proposed Rate Rider Recovery Period (in months)	12	Rate Rider Recovery to be used below

Rate Class	Unit	Total Metered kWh	Metered kW or kVA	Total Metered kWh less WMP consumption	Total Metered kW less WMP consumption	Allocation of Group 1 Account Balances to All Classes ²	Allocation of Group 1 Account Balances to Non-WMP Classes Only (If Applicable) ²	Deferral/Variance Account Rate Rider for			Revenue Reconciliation ¹
								Deferral/Variance Account Rate Rider ²	Non-WMP (if applicable) ²	Account 1568 Rate Rider	
RESIDENTIAL SERVICE CLASSIFICATION	kWh	270,338,602	0	270,338,602	0	(120,884)		(0.0004)	0.0000	0.0000	
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	kWh	94,820,550	0	94,820,550	0	(40,423)		(0.0004)	0.0000	0.0006	
GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION	kW	182,593,248	511,400	178,509,654	503,624	161,682	(232,843)	0.3162	(0.4623)	0.5073	
GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	kW	121,864,255	241,408	121,864,255	241,408	(50,277)		(0.2083)	0.0000	0.0429	
LARGE USE SERVICE CLASSIFICATION	kW	281,204,845	461,493	175,067,525	283,327	246,354	(228,353)	0.5338	(0.8060)	0.0076	
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh	2,209,115	0	2,209,115	0	(939)		(0.0004)	0.0000	(0.0006)	
SENTINEL LIGHTING SERVICE CLASSIFICATION	kW	439,107	1,196	439,107	1,196	(184)		(0.1537)	0.0000	(0.0702)	
STREET LIGHTING SERVICE CLASSIFICATION	kW	3,449,208	9,569	3,449,208	9,569	(1,345)		(0.1406)	0.0000	(0.0938)	
(251,899.11)											

Incentive Rate-setting Mechanism Rate Generator for 2022 Filers

Summary - Sharing of Tax Change Forecast Amounts

	2013	2022
OEB-Approved Rate Base	\$ 65,468,782	\$ 65,468,782
OEB-Approved Regulatory Taxable Income	\$ 1,696,727	\$ 1,696,727
Federal General Rate		15.0%
Federal Small Business Rate		9.0%
Federal Small Business Rate (calculated effective rate) ^{1,2}		15.0%
Ontario General Rate		11.5%
Ontario Small Business Rate		3.2%
Ontario Small Business Rate (calculated effective rate) ^{1,2}		11.5%
Federal Small Business Limit		\$ 500,000
Ontario Small Business Limit		\$ 500,000
Federal Taxes Payable		\$ 254,509
Provincial Taxes Payable		\$ 195,124
Federal Effective Tax Rate		15.0%
Provincial Effective Tax Rate		11.5%
Combined Effective Tax Rate	24.4%	26.5%
Total Income Taxes Payable	\$ 414,680	\$ 449,633
OEB-Approved Total Tax Credits (enter as positive number)	\$ 54,764	\$ 54,764
Income Tax Provision	\$ 359,916	\$ 394,869
Grossed-up Income Taxes	\$ 476,331	\$ 537,236
Incremental Grossed-up Tax Amount		\$ 60,905
Sharing of Tax Amount (50%)		\$ 30,452

Notes

1. Regarding the small business deduction, if applicable,
 - a. If taxable capital exceeds \$15 million, the small business rate will not be applicable.
 - b. If taxable capital is below \$10 million, the small business rate would be applicable.
 - c. If taxable capital is between \$10 million and \$15 million, the appropriate small business rate will be calculated.
2. The OEB's proxy for taxable capital is rate base.

Incentive Rate-setting Mechanism Rate Generator for 2022 Filers

Calculation of Rebased Revenue Requirement and Allocation of Tax Sharing Amount. Enter data from the last OEB-approved Cost of Service application in columns C through H.

As per Chapter 3 Filing Requirements, shared tax rate riders are based on a 1 year disposition.

Rate Class		Re-based Billed Customers or Connections	Re-based Billed kWh	Re-based Billed kW	Re-based Service Charge	Re-based Distribution Volumetric Rate kWh	Re-based Distribution Volumetric Rate kW	Service Charge Revenue	Distribution Volumetric Rate Revenue kWh	Distribution Volumetric Rate Revenue kW	Revenue Requirement from Rates	Service Charge % Revenue	Distribution Volumetric Rate % Revenue kWh	Distribution Volumetric Rate % Revenue kW	Total % Revenue
RESIDENTIAL SERVICE CLASSIFICATION	kWh	32,122	256,986,232		15.48	0.0211		5,966,983	5,422,409	0	11,389,392	52.4%	47.6%	0.0%	53.7%
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	kWh	3,544	98,884,257		26.60	0.0186		1,131,245	1,839,247	0	2,970,492	38.1%	61.9%	0.0%	14.0%
GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION	kW	438	223,014,610	621,654	142.00		4,1269	746,352	0	2,565,504	3,311,856	22.5%	0.0%	77.5%	15.6%
GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	kW	12	157,447,994	334,928	3,121.63		1,6835	449,515	0	563,851	1,013,366	44.4%	0.0%	55.6%	4.8%
LARGE USE SERVICE CLASSIFICATION	kW	3	248,880,320	398,329	24,427.60		1,8345	879,394	0	730,735	1,610,128	54.6%	0.0%	45.4%	7.6%
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh	260	2,214,914		11.95	0.0325		37,284	71,985	0	109,269	34.1%	65.9%	0.0%	0.5%
SENTINEL LIGHTING SERVICE CLASSIFICATION	kW	445	620,940	1,450	3.85		25,3845	20,559	0	36,808	57,367	35.8%	0.0%	64.2%	0.3%
STREET LIGHTING SERVICE CLASSIFICATION	kW	10,140	9,039,916	24,522	2.40		18,5659	292,032	0	455,273	747,305	39.1%	0.0%	60.9%	3.5%
Total		46,964	997,089,183	1,380,883				9,523,363	7,333,641	4,352,170	21,209,174				100.0%

Rate Class		Total kWh (most recent RRR filing)	Total kW (most recent RRR filing)	Allocation of Tax Savings by Rate Class	Distribution Rate Rider
RESIDENTIAL SERVICE CLASSIFICATION	kWh	270,338,602		16,353	\$/customer
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	kWh	94,820,550		4,265	kWh
GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION	kW	182,593,248	511,400	4,755	kW
GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	kW	121,864,255	241,408	1,455	kW
LARGE USE SERVICE CLASSIFICATION	kW	281,204,845	461,493	2,312	kW
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	kWh	2,209,115		157	kWh
SENTINEL LIGHTING SERVICE CLASSIFICATION	kW	439,107	1,196	82	kW
STREET LIGHTING SERVICE CLASSIFICATION	kW	3,449,208	9,569	1,073	kW
Total		996,918,930	1,225,066	\$30,452	

If the allocated tax sharing amount does not produce a rate rider in one or more rate class (except for the Standby rate class), a distributor is required to transfer the entire OEB-approved tax sharing amount into Account 1595 for disposition at a later date (see Filing Requirements, Appendix B)

Incentive Rate-setting Mechanism Rate Generator for 2022 Filers

Columns E and F have been populated with data from the most recent RRR filing. Rate classes that have more than one Network or Connection charge will notice that the cells are highlighted in green and unlocked. If the data needs to be modified, please make the necessary adjustments and note the changes in your manager's summary. As well, the Loss Factor has been imported from Tab 2.

Rate Class	Rate Description	Unit	Rate	Non-Loss Adjusted Metered kWh	Non-Loss Adjusted Metered kW	Applicable Loss Factor	Loss Adjusted Billed kWh
Residential Service Classification	Retail Transmission Rate - Network Service Rate	\$/kWh	0.0085	270,338,602	0	1.0421	281,719,857
Residential Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0066	270,338,602	0	1.0421	281,719,857
General Service Less Than 50 kW Service Classification	Retail Transmission Rate - Network Service Rate	\$/kWh	0.0079	94,820,550	0	1.0421	98,812,495
General Service Less Than 50 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0058	94,820,550	0	1.0421	98,812,495
General Service 50 To 999 kW Service Classification	Retail Transmission Rate - Network Service Rate	\$/kW	3.1689	182,593,248	511,400		
General Service 50 To 999 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	2.3456	182,593,248	511,400		
General Service 1,000 To 4,999 kW Service Classification	Retail Transmission Rate - Network Service Rate	\$/kW	3.3657	121,864,255	241,408		
General Service 1,000 To 4,999 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	2.5714	121,864,255	241,408		
Large Use Service Classification	Retail Transmission Rate - Network Service Rate - Interval Metered	\$/kW	3.7266	281,204,845	461,493		
Large Use Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered	\$/kW	2.9405	281,204,845	461,493		
Unmetered Scattered Load Service Classification	Retail Transmission Rate - Network Service Rate	\$/kWh	0.0079	2,209,115	0	1.0421	2,302,119
Unmetered Scattered Load Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0058	2,209,115	0	1.0421	2,302,119
Sentinel Lighting Service Classification	Retail Transmission Rate - Network Service Rate	\$/kW	2.4019	439,107	1,196		
Sentinel Lighting Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.8513	439,107	1,196		
Street Lighting Service Classification	Retail Transmission Rate - Network Service Rate	\$/kW	2.3899	3,449,208	9,569		
Street Lighting Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.8136	3,449,208	9,569		



Incentive Rate-setting Mechanism Rate Generator for 2022 Filers

Uniform Transmission Rates	Unit	2020	2021 Jan to Jun	2021 Jul to Dec	2022
Rate Description		Rate	Rate		Rate
Network Service Rate	kW	\$ 3.92	\$ 4.67	\$ 4.90	\$ 4.90
Line Connection Service Rate	kW	\$ 0.97	\$ 0.77	\$ 0.81	\$ 0.81
Transformation Connection Service Rate	kW	\$ 2.33	\$ 2.53	\$ 2.65	\$ 2.65

Hydro One Sub-Transmission Rates	Unit	2020	2021	2022
Rate Description		Rate	Rate	Rate
Network Service Rate	kW	\$ 3.3980	\$ 3.4778	\$ 3.4778
Line Connection Service Rate	kW	\$ 0.8045	\$ 0.8128	\$ 0.8128
Transformation Connection Service Rate	kW	\$ 2.0194	\$ 2.0458	\$ 2.0458
Both Line and Transformation Connection Service Rate	kW	\$ 2.8239	\$ 2.8586	\$ 2.8586

If needed, add extra host here. (I)	Unit	2020	2021	2022
Rate Description		Rate	Rate	Rate
Network Service Rate	kW			
Line Connection Service Rate	kW			
Transformation Connection Service Rate	kW			
Both Line and Transformation Connection Service Rate	kW	\$ -	\$ -	\$ -

If needed, add extra host here. (II)	Unit	2020	2021	2022
Rate Description		Rate	Rate	Rate
Network Service Rate	kW			
Line Connection Service Rate	kW			
Transformation Connection Service Rate	kW			
Both Line and Transformation Connection Service Rate	kW	\$ -	\$ -	\$ -
Low Voltage Switchgear Credit (if applicable, enter as a negative value)	\$	Historical 2020	Current 2021	Forecast 2022

Incentive Rate-setting Mechanism Rate Generator for 2022 Filers

In the green shaded cells, enter billing detail for wholesale transmission for the same reporting period as the billing determinants on Tab 10. For Hydro One Sub-transmission Rates, if you are charged a combined Line and Transformer connection rate, please ensure that both the Line Connection and Transformation Connection columns are completed. If any of the Hydro One Sub-transmission rates (column E, I and M) are highlighted in red, please double check the billing data entered in "Units Billed" and "Amount" columns. The highlighted rates do not match the Hydro One Sub-transmission rates approved for that time period. If data has been entered correctly, please provide explanation for the discrepancy in rates.

IESO Month	Network			Line Connection			Transformation Connection			Total Connection Amount
	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	
January	118,806	\$3.92	\$ 465,720	126,393	\$0.97	\$ 122,601	126,393	\$2.33	\$ 294,496	\$ 417,097
February	121,566	\$3.92	\$ 476,539	138,471	\$0.97	\$ 134,317	138,471	\$2.33	\$ 322,637	\$ 456,954
March	111,343	\$3.92	\$ 436,465	126,279	\$0.97	\$ 122,491	126,279	\$2.33	\$ 294,230	\$ 416,721
April	100,017	\$3.92	\$ 392,067	103,289	\$0.97	\$ 100,190	103,289	\$2.33	\$ 240,663	\$ 340,854
May	128,560	\$3.92	\$ 503,955	142,297	\$0.97	\$ 138,028	142,297	\$2.33	\$ 331,552	\$ 469,580
June	117,161	\$3.92	\$ 459,271	140,502	\$0.97	\$ 136,287	140,502	\$2.33	\$ 327,370	\$ 463,657
July	142,839	\$3.92	\$ 559,929	170,168	\$0.97	\$ 165,063	170,168	\$2.33	\$ 396,491	\$ 561,554
August	127,610	\$3.92	\$ 500,231	157,156	\$0.97	\$ 152,441	157,156	\$2.33	\$ 366,173	\$ 516,615
September	128,971	\$3.92	\$ 505,566	138,552	\$0.97	\$ 134,395	138,552	\$2.33	\$ 322,826	\$ 457,222
October	107,064	\$3.92	\$ 419,691	110,531	\$0.97	\$ 107,215	110,531	\$2.33	\$ 257,537	\$ 364,752
November	115,353	\$3.92	\$ 452,184	125,670	\$0.97	\$ 121,900	125,670	\$2.33	\$ 292,811	\$ 414,711
December	123,979	\$3.92	\$ 485,998	127,551	\$0.97	\$ 123,724	127,551	\$2.33	\$ 297,194	\$ 420,918
Total	1,443,269	\$ 3.92	\$ 5,657,614	1,606,859	\$ 0.97	\$ 1,558,653	1,606,859	\$ 2.33	\$ 3,743,981	\$ 5,302,635

Hydro One Month	Network			Line Connection			Transformation Connection			Total Connection Amount
	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	
January	10,487	\$3.3980	\$ 35,635	10,487	\$0.8045	\$ 8,437	10,487	\$2.0194	\$ 21,178	\$ 29,614
February	10,363	\$3.3980	\$ 35,212	10,405	\$0.8045	\$ 8,371	10,405	\$2.0194	\$ 21,012	\$ 29,382
March	10,771	\$3.3980	\$ 36,600	10,771	\$0.8045	\$ 8,665	10,771	\$2.0194	\$ 21,751	\$ 30,416
April	7,392	\$3.3980	\$ 25,119	7,392	\$0.8045	\$ 5,947	7,392	\$2.0194	\$ 14,928	\$ 20,875
May	12,774	\$3.3980	\$ 43,406	12,774	\$0.8045	\$ 10,277	12,774	\$2.0194	\$ 25,796	\$ 36,072
June	14,535	\$3.3980	\$ 49,391	14,535	\$0.8045	\$ 11,694	14,535	\$2.0194	\$ 29,352	\$ 41,046
July	15,368	\$3.3980	\$ 52,020	15,808	\$0.8045	\$ 12,766	15,808	\$2.0194	\$ 32,044	\$ 44,810
August	14,800	\$3.3980	\$ 50,291	14,800	\$0.8045	\$ 11,937	14,800	\$2.0194	\$ 29,887	\$ 41,794
September	12,980	\$3.3980	\$ 44,105	12,980	\$0.8045	\$ 10,442	12,980	\$2.0194	\$ 26,211	\$ 36,654
October	9,191	\$3.3980	\$ 31,232	9,287	\$0.8045	\$ 7,472	9,287	\$2.0194	\$ 18,755	\$ 26,226
November	10,679	\$3.3980	\$ 36,288	10,679	\$0.8045	\$ 8,591	10,679	\$2.0194	\$ 21,566	\$ 30,157
December	11,246	\$3.3980	\$ 38,213	11,246	\$0.8045	\$ 9,047	11,246	\$2.0194	\$ 22,709	\$ 31,756
Total	141,086	\$ 3.3980	\$ 479,412	141,225	\$ 0.8045	\$ 113,615	141,225	\$ 2.0194	\$ 285,189	\$ 398,804

Add Extra Host Here (I) (if needed) Month	Network			Line Connection			Transformation Connection			Total Connection Amount
	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	
January	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -
February	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -
March	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -
April	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -
May	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -
June	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -
July	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -
August	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -
September	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -
October	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -
November	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -
December	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -
Total	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -

Add Extra Host Here (II) (if needed) Month	Network			Line Connection			Transformation Connection			Total Connection Amount
	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	
January	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -
February	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -
March	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -
April	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -
May	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -
June	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -
July	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -
August	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -
September	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -
October	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -
November	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -
December	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -
Total	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -

Total	Network			Line Connection			Transformation Connection			Total Connection Amount
	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	
January	129,293	\$ 3.8777	\$ 501,355	136,880	\$ 0.9573	\$ 131,038	136,880	\$ 2.3062	\$ 315,673	\$ 446,711
February	131,929	\$ 3.8790	\$ 511,751	148,876	\$ 0.9584	\$ 142,688	148,876	\$ 2.3083	\$ 343,649	\$ 486,337
March	122,114	\$ 3.8740	\$ 473,064	137,050	\$ 0.9570	\$ 131,156	137,050	\$ 2.3056	\$ 315,981	\$ 447,137
April	107,409	\$ 3.8841	\$ 417,186	110,681	\$ 0.9589	\$ 106,138	110,681	\$ 2.3093	\$ 255,592	\$ 361,729
May	141,334	\$ 3.8729	\$ 547,361	155,071	\$ 0.9564	\$ 148,305	155,071	\$ 2.3044	\$ 357,348	\$ 505,652
June	131,696	\$ 3.8624	\$ 508,662	155,037	\$ 0.9545	\$ 147,981	155,037	\$ 2.3009	\$ 356,722	\$ 504,703
July	158,707	\$ 3.8678	\$ 613,849	186,036	\$ 0.9559	\$ 177,829	186,036	\$ 2.3035	\$ 428,536	\$ 606,364
August	142,410	\$ 3.8658	\$ 550,522	171,956	\$ 0.9558	\$ 164,348	171,956	\$ 2.3033	\$ 396,601	\$ 560,409
September	141,951	\$ 3.8723	\$ 549,672	151,532	\$ 0.9558	\$ 144,838	151,532	\$ 2.3034	\$ 349,038	\$ 493,875
October	116,255	\$ 3.8787	\$ 450,923	119,818	\$ 0.9572	\$ 114,687	119,818	\$ 2.3059	\$ 276,292	\$ 390,978
November	126,032	\$ 3.8753	\$ 488,472	136,349	\$ 0.9570	\$ 130,491	136,349	\$ 2.3057	\$ 314,377	\$ 444,868
December	135,225	\$ 3.8766	\$ 524,210	138,797	\$ 0.9566	\$ 132,772	138,797	\$ 2.3048	\$ 319,903	\$ 452,675
Total	1,584,355	\$ 3.87	\$ 6,137,026	1,748,084	\$ 0.96	\$ 1,672,268	1,748,084	\$ 2.30	\$ 4,029,170	\$ 5,701,439

Low Voltage Switchgear Credit (if applicable) \$ -

Total including deduction for Low Voltage Switchgear Credit \$ 5,701,439

Incentive Rate-setting Mechanism Rate Generator for 2022 Filers

The purpose of this sheet is to calculate the expected billing when current 2021 Uniform Transmission Rates are applied against historical 2020 transmission units.

IESO	Network			Line Connection			Transformation Connection			Total Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	118,806	\$ 4.6700	\$ 554,824	126,393	\$ 0.7700	\$ 97,323	126,393	\$ 2.5300	\$ 319,774	\$ 417,097
February	121,566	\$ 4.6700	\$ 567,713	138,471	\$ 0.7700	\$ 106,623	138,471	\$ 2.5300	\$ 350,332	\$ 456,954
March	111,343	\$ 4.6700	\$ 519,972	126,279	\$ 0.7700	\$ 97,235	126,279	\$ 2.5300	\$ 319,486	\$ 416,721
April	100,017	\$ 4.6700	\$ 467,079	103,289	\$ 0.7700	\$ 79,533	103,289	\$ 2.5300	\$ 261,321	\$ 340,854
May	128,560	\$ 4.6700	\$ 600,375	142,237	\$ 0.7700	\$ 109,569	142,237	\$ 2.5300	\$ 360,011	\$ 469,580
June	117,161	\$ 4.6700	\$ 547,142	140,502	\$ 0.7700	\$ 108,187	140,502	\$ 2.5300	\$ 355,470	\$ 463,657
July	142,839	\$ 4.9000	\$ 699,911	170,168	\$ 0.8100	\$ 137,836	170,168	\$ 2.6500	\$ 450,945	\$ 588,781
August	127,610	\$ 4.9000	\$ 625,289	157,156	\$ 0.8100	\$ 127,296	157,156	\$ 2.6500	\$ 416,463	\$ 543,760
September	128,971	\$ 4.9000	\$ 631,958	138,552	\$ 0.8100	\$ 112,227	138,552	\$ 2.6500	\$ 367,163	\$ 479,390
October	107,064	\$ 4.9000	\$ 524,614	110,531	\$ 0.8100	\$ 89,530	110,531	\$ 2.6500	\$ 292,907	\$ 382,437
November	115,353	\$ 4.9000	\$ 565,230	125,670	\$ 0.8100	\$ 101,793	125,670	\$ 2.6500	\$ 333,026	\$ 434,818
December	123,979	\$ 4.9000	\$ 607,497	127,551	\$ 0.8100	\$ 103,316	127,551	\$ 2.6500	\$ 338,010	\$ 441,326
Total	1,443,269	\$ 4.79	\$ 6,911,604	1,606,859	\$ 0.79	\$ 1,270,467	1,606,859	\$ 2.59	\$ 4,164,909	\$ 5,435,375

Hydro One	Network			Line Connection			Transformation Connection			Total Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	10,487	\$ 3.4778	\$ 36,472	10,487	\$ 0.8128	\$ 8,524	10,487	\$ 2.0458	\$ 21,454	\$ 29,978
February	10,363	\$ 3.4778	\$ 36,039	10,405	\$ 0.8128	\$ 8,457	10,405	\$ 2.0458	\$ 21,286	\$ 29,743
March	10,771	\$ 3.4778	\$ 37,459	10,771	\$ 0.8128	\$ 8,755	10,771	\$ 2.0458	\$ 22,035	\$ 30,790
April	7,392	\$ 3.4778	\$ 25,709	7,392	\$ 0.8128	\$ 6,009	7,392	\$ 2.0458	\$ 15,123	\$ 21,132
May	12,774	\$ 3.4778	\$ 44,425	12,774	\$ 0.8128	\$ 10,383	12,774	\$ 2.0458	\$ 26,133	\$ 36,516
June	14,535	\$ 3.4778	\$ 50,551	14,535	\$ 0.8128	\$ 11,814	14,535	\$ 2.0458	\$ 29,736	\$ 41,550
July	15,968	\$ 3.4778	\$ 55,186	15,968	\$ 0.8128	\$ 12,898	15,968	\$ 2.0458	\$ 32,463	\$ 45,361
August	14,800	\$ 3.4778	\$ 51,472	14,800	\$ 0.8128	\$ 12,030	14,800	\$ 2.0458	\$ 30,278	\$ 42,308
September	12,980	\$ 3.4778	\$ 45,141	12,980	\$ 0.8128	\$ 10,550	12,980	\$ 2.0458	\$ 26,554	\$ 37,104
October	9,191	\$ 3.4778	\$ 31,966	9,287	\$ 0.8128	\$ 7,549	9,287	\$ 2.0458	\$ 19,000	\$ 26,548
November	10,679	\$ 3.4778	\$ 37,140	10,679	\$ 0.8128	\$ 8,680	10,679	\$ 2.0458	\$ 21,848	\$ 30,528
December	11,246	\$ 3.4778	\$ 39,110	11,246	\$ 0.8128	\$ 9,140	11,246	\$ 2.0458	\$ 23,006	\$ 32,147
Total	141,086	\$ 3.48	\$ 490,671	141,225	\$ 0.81	\$ 114,787	141,225	\$ 2.05	\$ 288,917	\$ 403,705

Add Extra Host Here (I)	Network			Line Connection			Transformation Connection			Total Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
February	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
March	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
April	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
May	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
June	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
July	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
August	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
September	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
October	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
November	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
December	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
Total	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -

Add Extra Host Here (II)	Network			Line Connection			Transformation Connection			Total Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
February	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
March	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
April	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
May	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
June	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
July	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
August	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
September	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
October	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
November	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
December	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
Total	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -

Total	Network			Line Connection			Transformation Connection			Total Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	129,293	\$ 4.5733	\$ 591,296	136,880	\$ 0.7733	\$ 105,847	136,880	\$ 2.4929	\$ 341,229	\$ 447,075
February	131,929	\$ 4.5764	\$ 603,752	148,876	\$ 0.7730	\$ 115,080	148,876	\$ 2.4962	\$ 371,618	\$ 486,698
March	122,114	\$ 4.5648	\$ 557,431	137,050	\$ 0.7734	\$ 105,989	137,050	\$ 2.4919	\$ 341,521	\$ 447,511
April	107,409	\$ 4.5879	\$ 492,789	110,681	\$ 0.7729	\$ 85,541	110,681	\$ 2.4977	\$ 276,445	\$ 361,986
May	141,334	\$ 4.5622	\$ 644,800	155,071	\$ 0.7735	\$ 119,951	155,071	\$ 2.4901	\$ 386,144	\$ 506,096
June	131,696	\$ 4.5384	\$ 597,692	155,037	\$ 0.7740	\$ 120,001	155,037	\$ 2.4846	\$ 385,206	\$ 505,207
July	158,707	\$ 4.7578	\$ 755,097	186,036	\$ 0.8102	\$ 150,734	186,036	\$ 2.5985	\$ 483,408	\$ 634,142
August	142,410	\$ 4.7522	\$ 676,761	171,956	\$ 0.8102	\$ 139,326	171,956	\$ 2.5980	\$ 446,741	\$ 586,067
September	141,951	\$ 4.7700	\$ 677,099	151,532	\$ 0.8102	\$ 122,777	151,532	\$ 2.5982	\$ 393,717	\$ 516,494
October	116,255	\$ 4.7876	\$ 556,580	119,818	\$ 0.8102	\$ 97,079	119,818	\$ 2.6032	\$ 311,507	\$ 408,996
November	126,032	\$ 4.7795	\$ 602,370	136,349	\$ 0.8102	\$ 110,473	136,349	\$ 2.6027	\$ 354,873	\$ 465,346
December	135,225	\$ 4.7817	\$ 646,607	138,797	\$ 0.8102	\$ 112,457	138,797	\$ 2.6010	\$ 361,016	\$ 473,473
Total	1,584,355	\$ 4.67	\$ 7,402,274	1,748,084	\$ 0.79	\$ 1,385,254	1,748,084	\$ 2.55	\$ 4,453,826	\$ 5,839,080

Low Voltage Switchgear Credit (if applicable)										\$ -
Total including deduction for Low Voltage Switchgear Credit										\$ 5,839,080

Incentive Rate-setting Mechanism Rate Generator for 2022 Filers

The purpose of this sheet is to calculate the expected billing when forecasted 2022 Uniform Transmission Rates are applied against historical 2020 transmission units.

IESO	Network			Line Connection			Transformation Connection			Total Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	118,806	\$ 4,900	\$ 582,149	126,393	\$ 0.8100	\$ 102,378	126,393	\$ 2,6500	\$ 334,941	\$ 437,320
February	121,566	\$ 4,900	\$ 595,673	138,471	\$ 0.8100	\$ 112,162	138,471	\$ 2,6500	\$ 366,948	\$ 479,110
March	111,343	\$ 4,900	\$ 545,581	126,279	\$ 0.8100	\$ 102,286	126,279	\$ 2,6500	\$ 334,639	\$ 436,925
April	100,017	\$ 4,900	\$ 490,083	103,289	\$ 0.8100	\$ 83,664	103,289	\$ 2,6500	\$ 273,716	\$ 357,380
May	128,560	\$ 4,900	\$ 629,944	142,297	\$ 0.8100	\$ 115,261	142,297	\$ 2,6500	\$ 377,087	\$ 492,348
June	117,161	\$ 4,900	\$ 574,089	140,502	\$ 0.8100	\$ 113,807	140,502	\$ 2,6500	\$ 372,330	\$ 486,137
July	142,839	\$ 4,900	\$ 699,911	170,168	\$ 0.8100	\$ 137,936	170,168	\$ 2,6500	\$ 450,945	\$ 588,781
August	127,610	\$ 4,900	\$ 625,289	157,156	\$ 0.8100	\$ 127,296	157,156	\$ 2,6500	\$ 416,463	\$ 543,760
September	128,971	\$ 4,900	\$ 631,958	138,552	\$ 0.8100	\$ 112,227	138,552	\$ 2,6500	\$ 367,163	\$ 479,390
October	107,064	\$ 4,900	\$ 524,614	110,531	\$ 0.8100	\$ 89,530	110,531	\$ 2,6500	\$ 292,907	\$ 382,437
November	115,353	\$ 4,900	\$ 565,230	125,670	\$ 0.8100	\$ 101,793	125,670	\$ 2,6500	\$ 333,026	\$ 434,818
December	123,979	\$ 4,900	\$ 607,497	127,551	\$ 0.8100	\$ 103,316	127,551	\$ 2,6500	\$ 338,010	\$ 441,326
Total	1,443,269	\$ 4.90	\$ 7,072,018	1,606,859	\$ 0.81	\$ 1,301,556	1,606,859	\$ 2.65	\$ 4,258,176	\$ 5,559,732

Hydro One	Network			Line Connection			Transformation Connection			Total Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	10,487	\$ 3,4778	\$ 36,472	10,487	\$ 0.8128	\$ 8,524	10,487	\$ 2,0458	\$ 21,454	\$ 29,778
February	10,363	\$ 3,4778	\$ 35,039	10,405	\$ 0.8128	\$ 8,457	10,405	\$ 2,0458	\$ 21,286	\$ 29,743
March	10,771	\$ 3,4778	\$ 37,459	10,771	\$ 0.8128	\$ 8,755	10,771	\$ 2,0458	\$ 22,035	\$ 30,790
April	7,392	\$ 3,4778	\$ 25,709	7,392	\$ 0.8128	\$ 6,009	7,392	\$ 2,0458	\$ 15,123	\$ 21,132
May	12,774	\$ 3,4778	\$ 44,425	12,774	\$ 0.8128	\$ 10,383	12,774	\$ 2,0458	\$ 26,133	\$ 36,516
June	14,535	\$ 3,4778	\$ 50,551	14,535	\$ 0.8128	\$ 11,814	14,535	\$ 2,0458	\$ 29,736	\$ 41,550
July	15,868	\$ 3,4778	\$ 55,186	15,868	\$ 0.8128	\$ 12,898	15,868	\$ 2,0458	\$ 32,463	\$ 45,361
August	14,800	\$ 3,4778	\$ 51,472	14,800	\$ 0.8128	\$ 12,030	14,800	\$ 2,0458	\$ 30,278	\$ 42,308
September	12,980	\$ 3,4778	\$ 45,141	12,980	\$ 0.8128	\$ 10,550	12,980	\$ 2,0458	\$ 26,554	\$ 37,104
October	9,191	\$ 3,4778	\$ 31,966	9,287	\$ 0.8128	\$ 7,549	9,287	\$ 2,0458	\$ 19,000	\$ 26,548
November	10,679	\$ 3,4778	\$ 37,140	10,679	\$ 0.8128	\$ 8,680	10,679	\$ 2,0458	\$ 21,848	\$ 30,528
December	11,246	\$ 3,4778	\$ 39,110	11,246	\$ 0.8128	\$ 9,140	11,246	\$ 2,0458	\$ 23,006	\$ 32,147
Total	141,086	\$ 3.48	\$ 490,671	141,225	\$ 0.81	\$ 114,787	141,225	\$ 2.05	\$ 288,917	\$ 403,705

Add Extra Host Here (I)	Network			Line Connection			Transformation Connection			Total Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
February	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
March	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
April	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
May	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
June	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
July	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
August	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
September	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
October	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
November	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
December	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
Total	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -

Add Extra Host Here (II)	Network			Line Connection			Transformation Connection			Total Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
February	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
March	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
April	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
May	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
June	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
July	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
August	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
September	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
October	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
November	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
December	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -
Total	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -

Total	Network			Line Connection			Transformation Connection			Total Connection
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	129,293	\$ 4.78	\$ 618,621	136,880	\$ 0.81	\$ 110,902	136,880	\$ 2.60	\$ 356,396	\$ 467,298
February	131,929	\$ 4.79	\$ 631,712	148,876	\$ 0.81	\$ 120,619	148,876	\$ 2.61	\$ 388,234	\$ 508,853
March	122,114	\$ 4.77	\$ 583,040	137,050	\$ 0.81	\$ 111,041	137,050	\$ 2.60	\$ 356,675	\$ 467,715
April	107,409	\$ 4.80	\$ 515,793	110,681	\$ 0.81	\$ 89,673	110,681	\$ 2.61	\$ 288,839	\$ 378,512
May	141,334	\$ 4.77	\$ 674,369	155,071	\$ 0.81	\$ 125,643	155,071	\$ 2.60	\$ 403,220	\$ 528,863
June	131,696	\$ 4.74	\$ 624,640	155,037	\$ 0.81	\$ 125,621	155,037	\$ 2.59	\$ 402,066	\$ 527,687
July	158,707	\$ 4.76	\$ 755,097	186,036	\$ 0.81	\$ 150,734	186,036	\$ 2.60	\$ 483,408	\$ 634,142
August	142,410	\$ 4.75	\$ 676,761	171,956	\$ 0.81	\$ 139,326	171,956	\$ 2.60	\$ 446,741	\$ 586,067
September	141,951	\$ 4.77	\$ 677,099	151,532	\$ 0.81	\$ 122,777	151,532	\$ 2.60	\$ 393,717	\$ 516,494
October	116,255	\$ 4.79	\$ 556,580	119,818	\$ 0.81	\$ 97,079	119,818	\$ 2.60	\$ 311,907	\$ 408,986
November	126,032	\$ 4.78	\$ 602,370	136,349	\$ 0.81	\$ 110,473	136,349	\$ 2.60	\$ 354,873	\$ 465,346
December	135,225	\$ 4.78	\$ 646,607	138,797	\$ 0.81	\$ 112,457	138,797	\$ 2.60	\$ 361,016	\$ 473,473
Total	1,584,355	\$ 4.77	\$ 7,562,689	1,748,084	\$ 0.81	\$ 1,416,343	1,748,084	\$ 2.60	\$ 4,547,094	\$ 5,963,437

Low Voltage Switchgear Credit (if applicable)	\$ -
Total including deduction for Low Voltage Switchgear Credit	\$ 5,963,437

Incentive Rate-setting Mechanism Rate Generator for 2022 Filers

The purpose of this table is to re-align the current RTS Network Rates to recover current wholesale network costs.

Rate Class	Rate Description	Unit	Current RTSR- Network	Loss Adjusted Billed kWh	Billed kW	Billed Amount	Billed Amount %	Current Wholesale Billing	Adjusted RTSR Network
Residential Service Classification	Retail Transmission Rate - Network Service Rate	\$/kWh	0.0085	281,719,857	0	2,394,619	32.5%	2,404,437	0.0085
General Service Less Than 50 kW Service Classification	Retail Transmission Rate - Network Service Rate	\$/kWh	0.0079	98,812,495	0	780,619	10.6%	783,819	0.0079
General Service 50 To 999 kW Service Classification	Retail Transmission Rate - Network Service Rate	\$/kW	3.1689		511,400	1,620,575	22.0%	1,627,220	3.1819
General Service 1,000 To 4,999 kW Service Classification	Retail Transmission Rate - Network Service Rate	\$/kW	3.3657		241,408	812,507	11.0%	815,838	3.3795
Large Use Service Classification	Retail Transmission Rate - Network Service Rate - Interval Metered	\$/kW	3.7266		461,493	1,719,800	23.3%	1,726,851	3.7419
Unmetered Scattered Load Service Classification	Retail Transmission Rate - Network Service Rate	\$/kWh	0.0079	2,302,119	0	18,187	0.2%	18,261	0.0079
Sentinel Lighting Service Classification	Retail Transmission Rate - Network Service Rate	\$/kW	2.4019		1,196	2,873	0.0%	2,884	2.4117
Street Lighting Service Classification	Retail Transmission Rate - Network Service Rate	\$/kW	2.3899		9,569	22,869	0.3%	22,963	2.3997

The purpose of this table is to re-align the current RTS Connection Rates to recover current wholesale connection costs.

Rate Class	Rate Description	Unit	Current RTSR- Connection	Loss Adjusted Billed kWh	Billed kW	Billed Amount	Billed Amount %	Current Wholesale Billing	Adjusted RTSR- Connection
Residential Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0066	281,719,857	0	1,859,351	33.0%	1,924,061	0.0068
General Service Less Than 50 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0058	98,812,495	0	573,112	10.2%	593,058	0.0060
General Service 50 To 999 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	2.3456		511,400	1,199,540	21.3%	1,241,287	2.4272
General Service 1,000 To 4,999 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	2.5714		241,408	620,757	11.0%	642,360	2.6609
Large Use Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered	\$/kW	2.9405		461,493	1,357,020	24.0%	1,404,248	3.0428
Unmetered Scattered Load Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0058	2,302,119	0	13,352	0.2%	13,817	0.0060
Sentinel Lighting Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.8513		1,196	2,214	0.0%	2,291	1.9157
Street Lighting Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.8136		9,569	17,354	0.3%	17,958	1.8767

The purpose of this table is to update the re-aligned RTS Network Rates to recover future wholesale network costs.

Rate Class	Rate Description	Unit	Adjusted RTSR- Network	Loss Adjusted Billed kWh	Billed kW	Billed Amount	Billed Amount %	Forecast Wholesale Billing	Proposed RTSR- Network
Residential Service Classification	Retail Transmission Rate - Network Service Rate	\$/kWh	0.0085	281,719,857	0	2,404,437	32.5%	2,456,543	0.0087
General Service Less Than 50 kW Service Classification	Retail Transmission Rate - Network Service Rate	\$/kWh	0.0079	98,812,495	0	783,819	10.6%	800,805	0.0081
General Service 50 To 999 kW Service Classification	Retail Transmission Rate - Network Service Rate	\$/kW	3.1819		511,400	1,627,220	22.0%	1,662,483	3.2508
General Service 1,000 To 4,999 kW Service Classification	Retail Transmission Rate - Network Service Rate	\$/kW	3.3795		241,408	815,838	11.0%	833,518	3.4527
Large Use Service Classification	Retail Transmission Rate - Network Service Rate - Interval Metered	\$/kW	3.7419		461,493	1,726,851	23.3%	1,764,274	3.8230
Unmetered Scattered Load Service Classification	Retail Transmission Rate - Network Service Rate	\$/kWh	0.0079	2,302,119	0	18,261	0.2%	18,657	0.0081
Sentinel Lighting Service Classification	Retail Transmission Rate - Network Service Rate	\$/kW	2.4117		1,196	2,884	0.0%	2,947	2.4640
Street Lighting Service Classification	Retail Transmission Rate - Network Service Rate	\$/kW	2.3997		9,569	22,963	0.3%	23,460	2.4517

The purpose of this table is to update the re-aligned RTS Connection Rates to recover future wholesale connection costs.

Rate Class	Rate Description	Unit	Adjusted RTSR- Connection	Loss Adjusted Billed kWh	Billed kW	Billed Amount	Billed Amount %	Forecast Wholesale Billing	Proposed RTSR- Connection
Residential Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0068	281,719,857	0	1,924,061	33.0%	1,965,038	0.0070
General Service Less Than 50 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0060	98,812,495	0	593,058	10.2%	605,689	0.0061
General Service 50 To 999 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	2.4272		511,400	1,241,287	21.3%	1,267,723	2.4789
General Service 1,000 To 4,999 kW Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	2.6609		241,408	642,360	11.0%	656,041	2.7176
Large Use Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered	\$/kW	3.0428		461,493	1,404,248	24.0%	1,434,154	3.1076
Unmetered Scattered Load Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0060	2,302,119	0	13,817	0.2%	14,111	0.0061
Sentinel Lighting Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.9157		1,196	2,291	0.0%	2,340	1.9565
Street Lighting Service Classification	Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.8767		9,569	17,958	0.3%	18,341	1.9167

Incentive Rate-setting Mechanism Rate Generator for 2022 Filers

If applicable, please enter any adjustments related to the revenue to cost ratio model into columns C and E. The Price Escalator has been set at the 2021 value and will be updated by OEB staff at a later date.

	Price Escalator	2.20%	Productivity Factor	0.00%
Choose Stretch Factor Group	V		Price Cap Index	1.60%
Associated Stretch Factor Value		0.60%		

Rate Class	Current MFC	MFC Adjustment from R/C Model	Current Volumetric Charge	DVR Adjustment from R/C Model	Price Cap Index to be Applied to MFC and DVR	Proposed MFC	Proposed Volumetric Charge
RESIDENTIAL SERVICE CLASSIFICATION	33.28				1.60%	33.81	0.0000
GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	29.8		0.0207		1.60%	30.28	0.0210
GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION	159.19		4.6259		1.60%	161.74	4.6999
GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	3499.11		1.8871		1.60%	3,555.10	1.9173
LARGE USE SERVICE CLASSIFICATION	27381.43		2.0563		1.60%	27,819.53	2.0892
UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	13.39		0.0364		1.60%	13.60	0.0370
SENTINEL LIGHTING SERVICE CLASSIFICATION	4.31		28.4539		1.60%	4.38	28.9092
STREET LIGHTING SERVICE CLASSIFICATION	2.67		20.8108		1.60%	2.71	21.1438
microFIT SERVICE CLASSIFICATION	4.55					4.55	



Incentive Rate-setting Mechanism Rates for 2022 Filers

Update the following rates if an OEB Decision has been issued at the time of completing this application

Regulatory Charges

Effective Date of Regulatory Charges		January 1, 2021	January 1, 2022
Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0030	0.0030
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0005	0.0005
Standard Supply Service - Administrative Charge (if applicable)	\$/kWh	0.25	0.25

Time-of-Use RPP Prices

As of	May 1, 2021	
Off-Peak	\$/kWh	0.0820
Mid-Peak	\$/kWh	0.1130
On-Peak	\$/kWh	0.1700

Smart Meter Entity Charge (SME)

Smart Meter Entity Charge (SME)	\$	0.57
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Distribution Rate Protection (DRP) Amount (Applicable to LDCs under the Distribution Rate Protection program):	\$	36.86
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Miscellaneous Service Charges

Wireline Pole Attachment Charge	Unit	Current charge	Inflation factor *	Proposed charge ** / ***
Specific charge for access to the power poles - per pole/year	\$	44.50	2.20%	45.48

Retail Service Charges		Current charge	Inflation factor*	Proposed charge ***
One-time charge, per retailer, to establish the service agreement between the distributor and the retailer	\$	104.24	2.20%	106.53
Monthly fixed charge, per retailer	\$	41.70	2.20%	42.62
Monthly variable charge, per customer, per retailer	\$/cust.	1.04	2.20%	1.06
Distributor-consolidated billing monthly charge, per customer, per retailer	\$/cust.	0.62	2.20%	0.63
Retailer-consolidated billing monthly credit, per customer, per retailer	\$/cust.	(0.62)	2.20%	(0.63)
Service Transaction Requests (STR)			2.20%	-
Request fee, per request, applied to the requesting party	\$	0.52	2.20%	0.53
Processing fee, per request, applied to the requesting party	\$	1.04	2.20%	1.06
Electronic Business Transaction (EBT) system, applied to the requesting party				
up to twice a year		no charge		no charge
more than twice a year, per request (plus incremental delivery costs)	\$	4.17	2.20%	4.26
Notice of switch letter charge, per letter (unless the distributor has opted out of applying the charge as per the Ontario Energy Board's Decision and Order EB-2015-0304, issued on February 14, 2019)	\$	2.08	2.20%	2.13

* inflation factor subject to change pending OEB approved inflation rate effective in 2021

** applicable only to LDCs in which the province-wide pole attachment charge applies

*** subject to change pending OEB order on miscellaneous service charges

Customer Class:	RESIDENTIAL SERVICE CLASSIFICATION	
RPP / Non-RPP:	RPP	
Consumption	750	kWh
Demand	-	kW
Current Loss Factor	1.0421	
Proposed/Approved Loss Factor	1.0421	

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 33.28	1	\$ 33.28	\$ 33.81	1	\$ 33.81	\$ 0.53	1.59%
Distribution Volumetric Rate	\$ -	750	\$ -	\$ -	750	\$ -	\$ -	
Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Volumetric Rate Riders	\$ 0.0001	750	\$ 0.08	\$ -	750	\$ -	\$ (0.08)	-100.00%
Sub-Total A (excluding pass through)			\$ 33.36			\$ 33.81	\$ 0.45	1.36%
Line Losses on Cost of Power	\$ 0.1034	32	\$ 3.27	\$ 0.1034	32	\$ 3.27	\$ -	0.00%
Total Deferral/Variance Account Rate Riders	\$ -	750	\$ -	-\$ 0.0004	750	\$ (0.30)	\$ (0.30)	
CBR Class B Rate Riders	\$ -	750	\$ -	-\$ 0.0002	750	\$ (0.15)	\$ (0.15)	
GA Rate Riders	\$ -	750	\$ -	\$ -	750	\$ -	\$ -	
Low Voltage Service Charge	\$ 0.0002	750	\$ 0.15	\$ 0.0002	750	\$ 0.15	\$ -	0.00%
Smart Meter Entity Charge (if applicable)	\$ 0.57	1	\$ 0.57	\$ 0.57	1	\$ 0.57	\$ -	0.00%
Additional Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Volumetric Rate Riders	\$ -	750	\$ -	\$ -	750	\$ -	\$ -	
Sub-Total B - Distribution (includes Sub-Total A)			\$ 37.34			\$ 37.35	\$ 0.01	0.01%
RTSR - Network	\$ 0.0085	782	\$ 6.64	\$ 0.0087	782	\$ 6.80	\$ 0.16	2.35%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.0066	782	\$ 5.16	\$ 0.0070	782	\$ 5.47	\$ 0.31	6.06%
Sub-Total C - Delivery (including Sub-Total B)			\$ 49.14			\$ 49.62	\$ 0.47	0.96%
Wholesale Market Service Charge (WMSC)	\$ 0.0034	782	\$ 2.66	\$ 0.0034	782	\$ 2.66	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0005	782	\$ 0.39	\$ 0.0005	782	\$ 0.39	\$ -	0.00%
Standard Supply Service Charge	\$ 0.25	1	\$ 0.25	\$ 0.25	1	\$ 0.25	\$ -	0.00%
TOU - Off Peak	\$ 0.0820	480	\$ 39.36	\$ 0.0820	480	\$ 39.36	\$ -	0.00%
TOU - Mid Peak	\$ 0.1130	135	\$ 15.26	\$ 0.1130	135	\$ 15.26	\$ -	0.00%
TOU - On Peak	\$ 0.1700	135	\$ 22.95	\$ 0.1700	135	\$ 22.95	\$ -	0.00%
Total Bill on TOU (before Taxes)			\$ 130.01			\$ 130.48	\$ 0.47	0.36%
HST	13%		\$ 16.90	13%		\$ 16.96	\$ 0.06	0.36%
Ontario Electricity Rebate	18.9%		\$ (24.57)	18.9%		\$ (24.66)	\$ (0.09)	
Total Bill on TOU			\$ 122.34			\$ 122.78	\$ 0.45	0.36%

In the manager's summary, discuss the reason

Customer Class:	GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	
RPP / Non-RPP:	RPP	
Consumption	2,000	kWh
Demand	-	kW
Current Loss Factor	1.0421	
Proposed/Approved Loss Factor	1.0421	

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 29.80	1	\$ 29.80	\$ 30.28	1	\$ 30.28	\$ 0.48	1.61%
Distribution Volumetric Rate	\$ 0.0207	2000	\$ 41.40	\$ 0.0210	2000	\$ 42.00	\$ 0.60	1.45%
Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	-
Volumetric Rate Riders	\$ 0.0006	2000	\$ 1.20	\$ 0.0006	2000	\$ 1.20	\$ -	0.00%
Sub-Total A (excluding pass through)			\$ 72.40			\$ 73.48	\$ 1.08	1.49%
Line Losses on Cost of Power	\$ 0.1034	84	\$ 8.71	\$ 0.1034	84	\$ 8.71	\$ -	0.00%
Total Deferral/Variance Account Rate Riders	\$ -	2,000	\$ -	-\$ 0.0004	2,000	\$ (0.80)	\$ (0.80)	-
CBR Class B Rate Riders	\$ -	2,000	\$ -	-\$ 0.0002	2,000	\$ (0.40)	\$ (0.40)	-
GA Rate Riders	\$ -	2,000	\$ -	\$ -	2,000	\$ -	\$ -	-
Low Voltage Service Charge	\$ 0.0002	2,000	\$ 0.40	\$ 0.0002	2,000	\$ 0.40	\$ -	0.00%
Smart Meter Entity Charge (if applicable)	\$ 0.57	1	\$ 0.57	\$ 0.57	1	\$ 0.57	\$ -	0.00%
Additional Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	-
Additional Volumetric Rate Riders	\$ -	2,000	\$ -	\$ -	2,000	\$ -	\$ -	-
Sub-Total B - Distribution (includes Sub-Total A)			\$ 82.08			\$ 81.96	\$ (0.12)	-0.15%
RTSR - Network	\$ 0.0079	2,084	\$ 16.47	\$ 0.0081	2,084	\$ 16.88	\$ 0.42	2.53%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.0058	2,084	\$ 12.09	\$ 0.0061	2,084	\$ 12.71	\$ 0.63	5.17%
Sub-Total C - Delivery (including Sub-Total B)			\$ 110.63			\$ 111.55	\$ 0.92	0.83%
Wholesale Market Service Charge (WMSC)	\$ 0.0034	2,084	\$ 7.09	\$ 0.0034	2,084	\$ 7.09	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0005	2,084	\$ 1.04	\$ 0.0005	2,084	\$ 1.04	\$ -	0.00%
Standard Supply Service Charge	\$ 0.25	1	\$ 0.25	\$ 0.25	1	\$ 0.25	\$ -	0.00%
TOU - Off Peak	\$ 0.0820	1,280	\$ 104.96	\$ 0.0820	1,280	\$ 104.96	\$ -	0.00%
TOU - Mid Peak	\$ 0.1130	360	\$ 40.68	\$ 0.1130	360	\$ 40.68	\$ -	0.00%
TOU - On Peak	\$ 0.1700	360	\$ 61.20	\$ 0.1700	360	\$ 61.20	\$ -	0.00%
Total Bill on TOU (before Taxes)			\$ 325.85			\$ 326.77	\$ 0.92	0.28%
HST	13%		\$ 42.36	13%		\$ 42.48	\$ 0.12	0.28%
Ontario Electricity Rebate	18.9%		\$ (61.59)	18.9%		\$ (61.76)	\$ (0.17)	-
Total Bill on TOU			\$ 306.62			\$ 307.49	\$ 0.87	0.28%

In the manager's summary, discuss the reasons for the changes.

Customer Class:	GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION	
RPP / Non-RPP:	RPP	
Consumption	41,000	kWh
Demand	115	kW
Current Loss Factor	1.0421	
Proposed/Approved Loss Factor	1.0421	

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 159.19	1	\$ 159.19	\$ 161.74	1	\$ 161.74	\$ 2.55	1.60%
Distribution Volumetric Rate	\$ 4.6259	115	\$ 531.98	\$ 4.6999	115	\$ 540.49	\$ 8.51	1.60%
Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Volumetric Rate Riders	\$ 0.4944	115	\$ 56.86	\$ 0.5073	115	\$ 58.34	\$ 1.48	2.61%
Sub-Total A (excluding pass through)			\$ 748.02			\$ 760.57	\$ 12.54	1.68%
Line Losses on Cost of Power	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	
Total Deferral/Variance Account Rate Riders	\$ -	115	\$ -	-\$ 0.1461	115	\$ (16.80)	\$ (16.80)	
CBR Class B Rate Riders	\$ -	115	\$ -	-\$ 0.0725	115	\$ (8.34)	\$ (8.34)	
GA Rate Riders	\$ -	41,000	\$ -	\$ -	41,000	\$ -	\$ -	
Low Voltage Service Charge	\$ 0.0748	115	\$ 8.60	\$ 0.0748	115	\$ 8.60	\$ -	0.00%
Smart Meter Entity Charge (if applicable)	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Volumetric Rate Riders	\$ -	115	\$ -	\$ -	115	\$ -	\$ -	
Sub-Total B - Distribution (includes Sub-Total A)			\$ 756.63			\$ 744.03	\$ (12.60)	-1.66%
RTSR - Network	\$ 3.1689	115	\$ 364.42	\$ 3.2508	115	\$ 373.84	\$ 9.42	2.58%
RTSR - Connection and/or Line and Transformation Connection	\$ 2.3456	115	\$ 269.74	\$ 2.4789	115	\$ 285.07	\$ 15.33	5.68%
Sub-Total C - Delivery (including Sub-Total B)			\$ 1,390.79			\$ 1,402.95	\$ 12.15	0.87%
Wholesale Market Service Charge (WMSC)	\$ 0.0034	42,726	\$ 145.27	\$ 0.0034	42,726	\$ 145.27	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0005	42,726	\$ 21.36	\$ 0.0005	42,726	\$ 21.36	\$ -	0.00%
Standard Supply Service Charge	\$ 0.25	1	\$ 0.25	\$ 0.25	1	\$ 0.25	\$ -	0.00%
TOU - Off Peak	\$ 0.0820	27,345	\$ 2,242.27	\$ 0.0820	27,345	\$ 2,242.27	\$ -	0.00%
TOU - Mid Peak	\$ 0.1130	7,691	\$ 869.05	\$ 0.1130	7,691	\$ 869.05	\$ -	0.00%
TOU - On Peak	\$ 0.1700	7,691	\$ 1,307.42	\$ 0.1700	7,691	\$ 1,307.42	\$ -	0.00%
Total Bill on TOU (before Taxes)			\$ 5,976.41			\$ 5,988.56	\$ 12.15	0.20%
HST	13%		\$ 776.93	13%		\$ 778.51	\$ 1.58	0.20%
Ontario Electricity Rebate	18.9%		\$ -	18.9%		\$ -	\$ -	
Total Bill on TOU			\$ 6,753.34			\$ 6,767.07	\$ 13.73	0.20%

In the manager's summary, discuss the reason

Customer Class:	GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION	
RPP / Non-RPP:	Non-RPP (Other)	
Consumption	1,000,000	kWh
Demand	2,000	kW
Current Loss Factor	1.0421	
Proposed/Approved Loss Factor	1.0421	

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 3,499.11	1	\$ 3,499.11	\$ 3,555.10	1	\$ 3,555.10	\$ 55.99	1.60%
Distribution Volumetric Rate	\$ 1.8871	2000	\$ 3,774.20	\$ 1.9173	2000	\$ 3,834.60	\$ 60.40	1.60%
Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Volumetric Rate Riders	\$ 0.0393	2000	\$ 78.60	\$ 0.0429	2000	\$ 85.80	\$ 7.20	9.16%
Sub-Total A (excluding pass through)			\$ 7,351.91			\$ 7,475.50	\$ 123.59	1.68%
Line Losses on Cost of Power	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	
Total Deferral/Variance Account Rate Riders	\$ -	2,000	\$ -	-\$ 0.2083	2,000	\$ (416.60)	\$ (416.60)	
CBR Class B Rate Riders	\$ -	2,000	\$ -	\$ -	2,000	\$ -	\$ -	
GA Rate Riders	\$ -	1,000,000	\$ -	\$ -	1,000,000	\$ -	\$ -	
Low Voltage Service Charge	\$ 0.0820	2,000	\$ 164.00	\$ 0.0820	2,000	\$ 164.00	\$ -	0.00%
Smart Meter Entity Charge (if applicable)	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Volumetric Rate Riders	\$ -	2,000	\$ -	\$ -	2,000	\$ -	\$ -	
Sub-Total B - Distribution (includes Sub-Total A)			\$ 7,515.91			\$ 7,222.90	\$ (293.01)	-3.90%
RTSR - Network	\$ 3.3657	2,000	\$ 6,731.40	\$ 3.4527	2,000	\$ 6,905.40	\$ 174.00	2.58%
RTSR - Connection and/or Line and Transformation Connection	\$ 2.5714	2,000	\$ 5,142.80	\$ 2.7176	2,000	\$ 5,435.20	\$ 292.40	5.69%
Sub-Total C - Delivery (including Sub-Total B)			\$ 19,390.11			\$ 19,563.50	\$ 173.39	0.89%
Wholesale Market Service Charge (WMSC)	\$ 0.0034	1,042,100	\$ 3,543.14	\$ 0.0034	1,042,100	\$ 3,543.14	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0005	1,042,100	\$ 521.05	\$ 0.0005	1,042,100	\$ 521.05	\$ -	0.00%
Standard Supply Service Charge	\$ 0.25	1	\$ 0.25	\$ 0.25	1	\$ 0.25	\$ -	0.00%
Average IESO Wholesale Market Price	\$ 0.1060	1,042,100	\$ 110,462.60	\$ 0.1060	1,042,100	\$ 110,462.60	\$ -	0.00%
Total Bill on Average IESO Wholesale Market Price			\$ 133,917.15			\$ 134,090.54	\$ 173.39	0.13%
HST	13%		\$ 17,409.23	13%		\$ 17,431.77	\$ 22.54	0.13%
Ontario Electricity Rebate	18.9%		\$ -	18.9%		\$ -	\$ -	
Total Bill on Average IESO Wholesale Market Price			\$ 151,326.38			\$ 151,522.31	\$ 195.93	0.13%

In the manager's summary, discuss the reason

Customer Class:	LARGE USE SERVICE CLASSIFICATION	
RPP / Non-RPP:	Non-RPP (Other)	
Consumption	5,900,000	kWh
Demand	10,000	kW
Current Loss Factor	1.0421	
Proposed/Approved Loss Factor	1.0421	

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 27,381.43	1	\$ 27,381.43	\$ 27,819.53	1	\$ 27,819.53	\$ -438.10	1.60%
Distribution Volumetric Rate	\$ 2.0563	10000	\$ 20,563.00	\$ 2.0892	10000	\$ 20,892.00	\$ 329.00	1.60%
Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Volumetric Rate Riders	\$ 0.0075	10000	\$ 75.00	\$ 0.0076	10000	\$ 76.00	\$ 1.00	1.33%
Sub-Total A (excluding pass through)			\$ 48,019.43			\$ 48,787.53	\$ 768.10	1.60%
Line Losses on Cost of Power	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	
Total Deferral/Variance Account Rate Riders	\$ -	10,000	\$ -	-\$ 0.2722	10,000	\$ (2,722.00)	\$ (2,722.00)	
CBR Class B Rate Riders	\$ -	10,000	\$ -	\$ -	10,000	\$ -	\$ -	
GA Rate Riders	\$ -	5,900,000	\$ -	\$ -	5,900,000	\$ -	\$ -	
Low Voltage Service Charge	\$ 0.0938	10,000	\$ 938.00	\$ 0.0938	10,000	\$ 938.00	\$ -	0.00%
Smart Meter Entity Charge (if applicable)	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Volumetric Rate Riders	\$ -	10,000	\$ -	\$ -	10,000	\$ -	\$ -	
Sub-Total B - Distribution (includes Sub-Total A)			\$ 48,957.43			\$ 47,003.53	\$ (1,953.90)	-3.99%
RTSR - Network	\$ 3.7266	10,000	\$ 37,266.00	\$ 3.8230	10,000	\$ 38,230.00	\$ 964.00	2.59%
RTSR - Connection and/or Line and Transformation Connection	\$ 2.9405	10,000	\$ 29,405.00	\$ 3.1076	10,000	\$ 31,076.00	\$ 1,671.00	5.68%
Sub-Total C - Delivery (including Sub-Total B)			\$ 115,628.43			\$ 116,309.53	\$ 681.10	0.59%
Wholesale Market Service Charge (WMSC)	\$ 0.0034	6,148,390	\$ 20,904.53	\$ 0.0034	6,148,390	\$ 20,904.53	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0005	6,148,390	\$ 3,074.20	\$ 0.0005	6,148,390	\$ 3,074.20	\$ -	0.00%
Standard Supply Service Charge	\$ 0.25	1	\$ 0.25	\$ 0.25	1	\$ 0.25	\$ -	0.00%
Average IESO Wholesale Market Price	\$ 0.1060	6,148,390	\$ 651,729.34	\$ 0.1060	6,148,390	\$ 651,729.34	\$ -	0.00%
Total Bill on Average IESO Wholesale Market Price			\$ 791,336.74			\$ 792,017.84	\$ 681.10	0.09%
HST	13%		\$ 102,873.78	13%		\$ 102,962.32	\$ 88.54	0.09%
Ontario Electricity Rebate	18.9%		\$ -	18.9%		\$ -	\$ -	
Total Bill on Average IESO Wholesale Market Price			\$ 894,210.52			\$ 894,980.16	\$ 769.64	0.09%

In the manager's summary, discuss the reason

Customer Class:	UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION	
RPP / Non-RPP:	RPP	
Consumption	730	kWh
Demand	-	kW
Current Loss Factor	1.0421	
Proposed/Approved Loss Factor	1.0421	

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 13.39	1	\$ 13.39	\$ 13.60	1	\$ 13.60	\$ 0.21	1.57%
Distribution Volumetric Rate	\$ 0.0364	730	\$ 26.57	\$ 0.0370	730	\$ 27.01	\$ 0.44	1.65%
Fixed Rate Riders	-	1	-	-	1	-	\$ -	-
Volumetric Rate Riders	-\$ 0.0006	730	\$(0.44)	-\$ 0.0006	730	\$(0.44)	\$ -	0.00%
Sub-Total A (excluding pass through)			\$ 39.52			\$ 40.17	\$ 0.65	1.64%
Line Losses on Cost of Power	\$ 0.1034	31	\$ 3.18	\$ 0.1034	31	\$ 3.18	\$ -	0.00%
Total Deferral/Variance Account Rate Riders	-	730	-	-\$ 0.0004	730	\$(0.29)	\$ (0.29)	-
CBR Class B Rate Riders	-	730	-	-\$ 0.0002	730	\$(0.15)	\$ (0.15)	-
GA Rate Riders	-	730	-	-	730	-	\$ -	-
Low Voltage Service Charge	\$ 0.0002	730	\$ 0.15	\$ 0.0002	730	\$ 0.15	\$ -	0.00%
Smart Meter Entity Charge (if applicable)	-	1	-	-	1	-	\$ -	-
Additional Fixed Rate Riders	-	1	-	-	1	-	\$ -	-
Additional Volumetric Rate Riders	-	730	-	-	730	-	\$ -	-
Sub-Total B - Distribution (includes Sub-Total A)			\$ 42.85			\$ 43.06	\$ 0.21	0.49%
RTSR - Network	\$ 0.0079	761	\$ 6.01	\$ 0.0081	761	\$ 6.16	\$ 0.15	2.53%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.0058	761	\$ 4.41	\$ 0.0061	761	\$ 4.64	\$ 0.23	5.17%
Sub-Total C - Delivery (including Sub-Total B)			\$ 53.27			\$ 53.86	\$ 0.59	1.11%
Wholesale Market Service Charge (WMSC)	\$ 0.0034	761	\$ 2.59	\$ 0.0034	761	\$ 2.59	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0005	761	\$ 0.38	\$ 0.0005	761	\$ 0.38	\$ -	0.00%
Standard Supply Service Charge	\$ 0.25	1	\$ 0.25	\$ 0.25	1	\$ 0.25	\$ -	0.00%
TOU - Off Peak	\$ 0.0820	467	\$ 38.31	\$ 0.0820	467	\$ 38.31	\$ -	0.00%
TOU - Mid Peak	\$ 0.1130	131	\$ 14.85	\$ 0.1130	131	\$ 14.85	\$ -	0.00%
TOU - On Peak	\$ 0.1700	131	\$ 22.34	\$ 0.1700	131	\$ 22.34	\$ -	0.00%
Total Bill on TOU (before Taxes)			\$ 131.98			\$ 132.57	\$ 0.59	0.45%
HST	13%		\$ 17.16	13%		\$ 17.23	\$ 0.08	0.45%
Ontario Electricity Rebate	18.9%		\$(24.94)	18.9%		\$(25.06)	\$ (0.11)	-
Total Bill on TOU			\$ 124.20			\$ 124.75	\$ 0.56	0.45%

In the manager's summary, discuss the reasons for the changes.

Customer Class:	SENTINEL LIGHTING SERVICE CLASSIFICATION	
RPP / Non-RPP:	RPP	
Consumption	100	kWh
Demand	0	kW
Current Loss Factor	1.0421	
Proposed/Approved Loss Factor	1.0421	

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 4.31	371	\$ 1,599.01	\$ 4.38	371	\$ 1,624.98	\$ 25.97	1.62%
Distribution Volumetric Rate	\$ 28.4539	0.3	\$ 8.54	\$ 28.9092	0.3	\$ 8.67	\$ 0.14	1.60%
Fixed Rate Riders	\$ -	371	\$ -	\$ -	371	\$ -	\$ -	
Volumetric Rate Riders	\$ 0.0647	0.3	\$ (0.02)	\$ 0.0702	0.3	\$ (0.02)	\$ (0.00)	8.50%
Sub-Total A (excluding pass through)			\$ 1,607.53			\$ 1,633.63	\$ 26.10	1.62%
Line Losses on Cost of Power	\$ 0.1034	4	\$ 0.44	\$ 0.1034	4	\$ 0.44	\$ -	0.00%
Total Deferral/Variance Account Rate Riders	\$ -	0	\$ -	\$ 0.1537	0	\$ (0.05)	\$ (0.05)	
CBR Class B Rate Riders	\$ -	0	\$ -	\$ 0.0753	0	\$ (0.02)	\$ (0.02)	
GA Rate Riders	\$ -	100	\$ -	\$ -	100	\$ -	\$ -	
Low Voltage Service Charge	\$ 0.0590	0	\$ 0.02	\$ 0.0590	0	\$ 0.02	\$ -	0.00%
Smart Meter Entity Charge (if applicable)	\$ -	371	\$ -	\$ -	371	\$ -	\$ -	
Additional Fixed Rate Riders	\$ -	371	\$ -	\$ -	371	\$ -	\$ -	
Additional Volumetric Rate Riders	\$ -	0	\$ -	\$ -	0	\$ -	\$ -	
Sub-Total B - Distribution (includes Sub-Total A)			\$ 1,607.98			\$ 1,634.02	\$ 26.04	1.62%
RTSR - Network	\$ 2.4019	0	\$ 0.72	\$ 2.4640	0	\$ 0.74	\$ 0.02	2.59%
RTSR - Connection and/or Line and Transformation Connection	\$ 1.8513	0	\$ 0.56	\$ 1.9565	0	\$ 0.59	\$ 0.03	5.68%
Sub-Total C - Delivery (including Sub-Total B)			\$ 1,609.26			\$ 1,635.34	\$ 26.09	1.62%
Wholesale Market Service Charge (WMSC)	\$ 0.0034	104	\$ 0.35	\$ 0.0034	104	\$ 0.35	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0005	104	\$ 0.05	\$ 0.0005	104	\$ 0.05	\$ -	0.00%
Standard Supply Service Charge	\$ 0.25	371	\$ 92.75	\$ 0.25	371	\$ 92.75	\$ -	0.00%
TOU - Off Peak	\$ 0.0820	64	\$ 5.25	\$ 0.0820	64	\$ 5.25	\$ -	0.00%
TOU - Mid Peak	\$ 0.1130	18	\$ 2.03	\$ 0.1130	18	\$ 2.03	\$ -	0.00%
TOU - On Peak	\$ 0.1700	18	\$ 3.06	\$ 0.1700	18	\$ 3.06	\$ -	0.00%
Total Bill on TOU (before Taxes)			\$ 1,712.75			\$ 1,738.84	\$ 26.09	1.52%
HST	13%		\$ 222.66	13%		\$ 226.05	\$ 3.39	1.52%
Ontario Electricity Rebate	18.9%		\$ (323.71)	18.9%		\$ (328.64)	\$ (4.93)	
Total Bill on TOU			\$ 1,611.70			\$ 1,636.25	\$ 24.55	1.52%

In the manager's summary, discuss the reason

Customer Class:	STREET LIGHTING SERVICE CLASSIFICATION	
RPP / Non-RPP:	Non-RPP (Other)	
Consumption	20,000	kWh
Demand	54	kW
Current Loss Factor	1.0421	
Proposed/Approved Loss Factor	1.0421	

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 2.67	818	\$ 2,184.06	\$ 2.71	818	\$ 2,216.78	\$ 32.72	1.50%
Distribution Volumetric Rate	\$ 20.8108	54	\$ 1,123.78	\$ 21.1438	54	\$ 1,141.77	\$ 17.98	1.60%
Fixed Rate Riders	\$ -	818	\$ -	\$ -	818	\$ -	\$ -	
Volumetric Rate Riders	-\$ 0.0941	54	\$ (5.08)	-\$ 0.0938	54	\$ (5.07)	\$ 0.02	-0.32%
Sub-Total A (excluding pass through)			\$ 3,302.76			\$ 3,353.48	\$ 50.72	1.54%
Line Losses on Cost of Power	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	
Total Deferral/Variance Account Rate Riders	\$ -	54	\$ -	-\$ 0.1406	54	\$ (7.59)	\$ (7.59)	
CBR Class B Rate Riders	\$ -	54	\$ -	-\$ 0.0742	54	\$ (4.01)	\$ (4.01)	
GA Rate Riders	\$ -	20,000	\$ -	\$ 0.0044	20,000	\$ 88.00	\$ 88.00	
Low Voltage Service Charge	\$ 0.0578	54	\$ 3.12	\$ 0.0578	54	\$ 3.12	\$ -	0.00%
Smart Meter Entity Charge (if applicable)	\$ -	818	\$ -	\$ -	818	\$ -	\$ -	
Additional Fixed Rate Riders	\$ -	818	\$ -	\$ -	818	\$ -	\$ -	
Additional Volumetric Rate Riders	\$ -	54	\$ -	\$ -	54	\$ -	\$ -	
Sub-Total B - Distribution (includes Sub-Total A)			\$ 3,305.88			\$ 3,433.00	\$ 127.12	3.85%
RTSR - Network	\$ 2.3899	54	\$ 129.05	\$ 2.4517	54	\$ 132.39	\$ 3.34	2.59%
RTSR - Connection and/or Line and Transformation Connection	\$ 1.8136	54	\$ 97.93	\$ 1.9167	54	\$ 103.50	\$ 5.57	5.68%
Sub-Total C - Delivery (including Sub-Total B)			\$ 3,532.87			\$ 3,668.90	\$ 136.02	3.85%
Wholesale Market Service Charge (WMSC)	\$ 0.0034	20,842	\$ 70.86	\$ 0.0034	20,842	\$ 70.86	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0005	20,842	\$ 10.42	\$ 0.0005	20,842	\$ 10.42	\$ -	0.00%
Standard Supply Service Charge	\$ 0.25	818	\$ 204.50	\$ 0.25	818	\$ 204.50	\$ -	0.00%
Average IESO Wholesale Market Price	\$ 0.1060	20,842	\$ 2,209.25	\$ 0.1060	20,842	\$ 2,209.25	\$ -	0.00%
Total Bill on Average IESO Wholesale Market Price			\$ 6,027.91			\$ 6,163.93	\$ 136.02	2.26%
HST	13%		\$ 783.63	13%		\$ 801.31	\$ 17.68	2.26%
Ontario Electricity Rebate	18.9%		\$ -	18.9%		\$ -	\$ -	
Total Bill on Average IESO Wholesale Market Price			\$ 6,811.54			\$ 6,965.24	\$ 153.71	2.26%

In the manager's summary, discuss the reason

Customer Class:	RESIDENTIAL SERVICE CLASSIFICATION		
RPP / Non-RPP:	Non-RPP (Retailer)		
Consumption	750	kWh	
Demand	-	kW	
Current Loss Factor	1.0421		
Proposed/Approved Loss Factor	1.0421		

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 33.28	1	\$ 33.28	\$ 33.81	1	\$ 33.81	\$ 0.53	1.59%
Distribution Volumetric Rate	\$ -	750	\$ -	\$ -	750	\$ -	\$ -	-
Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	-
Volumetric Rate Riders	\$ 0.0001	750	\$ 0.08	\$ -	750	\$ -	\$ (0.08)	-100.00%
Sub-Total A (excluding pass through)			\$ 33.36			\$ 33.81	\$ 0.45	1.36%
Line Losses on Cost of Power	\$ 0.1060	32	\$ 3.35	\$ 0.1060	32	\$ 3.35	\$ -	0.00%
Total Deferral/Variance Account Rate Riders	\$ -	750	\$ -	-\$ 0.0004	750	\$ (0.30)	\$ (0.30)	-
CBR Class B Rate Riders	\$ -	750	\$ -	-\$ 0.0002	750	\$ (0.15)	\$ (0.15)	-
GA Rate Riders	\$ -	750	\$ -	\$ 0.0044	750	\$ 3.30	\$ 3.30	-
Low Voltage Service Charge	\$ 0.0002	750	\$ 0.15	\$ 0.0002	750	\$ 0.15	\$ -	0.00%
Smart Meter Entity Charge (if applicable)	\$ 0.57	1	\$ 0.57	\$ 0.57	1	\$ 0.57	\$ -	0.00%
Additional Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	-
Additional Volumetric Rate Riders	\$ -	750	\$ -	\$ -	750	\$ -	\$ -	-
Sub-Total B - Distribution (includes Sub-Total A)			\$ 37.42			\$ 40.73	\$ 3.31	8.83%
RTSR - Network	\$ 0.0085	782	\$ 6.64	\$ 0.0087	782	\$ 6.80	\$ 0.16	2.35%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.0066	782	\$ 5.16	\$ 0.0070	782	\$ 5.47	\$ 0.31	6.06%
Sub-Total C - Delivery (including Sub-Total B)			\$ 49.22			\$ 53.00	\$ 3.77	7.67%
Wholesale Market Service Charge (WMSC)	\$ 0.0034	782	\$ 2.66	\$ 0.0034	782	\$ 2.66	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0005	782	\$ 0.39	\$ 0.0005	782	\$ 0.39	\$ -	0.00%
Standard Supply Service Charge	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-
Non-RPP Retailer Avg. Price	\$ 0.1060	750	\$ 79.50	\$ 0.1060	750	\$ 79.50	\$ -	0.00%
Total Bill on Non-RPP Avg. Price			\$ 131.77			\$ 135.55	\$ 3.77	2.86%
HST	13%		\$ 17.13	13%		\$ 17.62	\$ 0.49	2.86%
Ontario Electricity Rebate	18.9%		\$ (24.90)	18.9%		\$ (25.62)	\$ (0.72)	-2.86%
Total Bill on Non-RPP Avg. Price			\$ 148.90			\$ 153.17	\$ 4.26	2.86%

In the manager's summary, discuss the reason

Customer Class:	GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION	
RPP / Non-RPP:	Non-RPP (Retailer)	
Consumption	2,000	kWh
Demand	-	kW
Current Loss Factor	1.0421	
Proposed/Approved Loss Factor	1.0421	

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 29.80	1	\$ 29.80	\$ 30.28	1	\$ 30.28	\$ 0.48	1.61%
Distribution Volumetric Rate	\$ 0.0207	2000	\$ 41.40	\$ 0.0210	2000	\$ 42.00	\$ 0.60	1.45%
Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	-
Volumetric Rate Riders	\$ 0.0006	2000	\$ 1.20	\$ 0.0006	2000	\$ 1.20	\$ -	0.00%
Sub-Total A (excluding pass through)			\$ 72.40			\$ 73.48	\$ 1.08	1.49%
Line Losses on Cost of Power	\$ 0.1060	84	\$ 8.93	\$ 0.1060	84	\$ 8.93	\$ -	0.00%
Total Deferral/Variance Account Rate Riders	\$ -	2,000	\$ -	-\$ 0.0004	2,000	\$ (0.80)	\$ (0.80)	-
CBR Class B Rate Riders	\$ -	2,000	\$ -	\$ 0.0002	2,000	\$ (0.40)	\$ (0.40)	-
GA Rate Riders	\$ -	2,000	\$ -	\$ 0.0044	2,000	\$ 8.80	\$ 8.80	-
Low Voltage Service Charge	\$ 0.0002	2,000	\$ 0.40	\$ 0.0002	2,000	\$ 0.40	\$ -	0.00%
Smart Meter Entity Charge (if applicable)	\$ 0.57	1	\$ 0.57	\$ 0.57	1	\$ 0.57	\$ -	0.00%
Additional Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	-
Additional Volumetric Rate Riders	\$ -	2,000	\$ -	\$ -	2,000	\$ -	\$ -	-
Sub-Total B - Distribution (includes Sub-Total A)			\$ 82.30			\$ 90.98	\$ 8.68	10.55%
RTSR - Network	\$ 0.0079	2,084	\$ 16.47	\$ 0.0081	2,084	\$ 16.88	\$ 0.42	2.53%
RTSR - Connection and/or Line and Transformation Connection	\$ 0.0058	2,084	\$ 12.09	\$ 0.0061	2,084	\$ 12.71	\$ 0.63	5.17%
Sub-Total C - Delivery (including Sub-Total B)			\$ 110.85			\$ 120.57	\$ 9.72	8.77%
Wholesale Market Service Charge (WMSC)	\$ 0.0034	2,084	\$ 7.09	\$ 0.0034	2,084	\$ 7.09	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0005	2,084	\$ 1.04	\$ 0.0005	2,084	\$ 1.04	\$ -	0.00%
Standard Supply Service Charge Non-RPP Retailer Avg. Price	\$ 0.1060	2,000	\$ 212.00	\$ 0.1060	2,000	\$ 212.00	\$ -	0.00%
Total Bill on Non-RPP Avg. Price			\$ 330.98			\$ 340.70	\$ 9.72	2.94%
HST	13%		\$ 43.03	13%		\$ 44.29	\$ 1.26	2.94%
Ontario Electricity Rebate	18.9%		\$ (62.55)	18.9%		\$ (64.39)	\$ (1.84)	-
Total Bill on Non-RPP Avg. Price			\$ 374.00			\$ 384.99	\$ 10.99	2.94%

In the manager's summary, discuss the reason

Customer Class:	GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION	
RPP / Non-RPP:	Non-RPP (Other)	
Consumption	41,000	kWh
Demand	115	kW
Current Loss Factor	1.0421	
Proposed/Approved Loss Factor	1.0421	

	Current OEB-Approved			Proposed			Impact	
	Rate (\$)	Volume	Charge (\$)	Rate (\$)	Volume	Charge (\$)	\$ Change	% Change
Monthly Service Charge	\$ 159.19	1	\$ 159.19	\$ 161.74	1	\$ 161.74	\$ 2.55	1.60%
Distribution Volumetric Rate	\$ 4.6259	115	\$ 531.98	\$ 4.6999	115	\$ 540.49	\$ 8.51	1.60%
Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Volumetric Rate Riders	\$ 0.4944	115	\$ 56.86	\$ 0.5073	115	\$ 58.34	\$ 1.48	2.61%
Sub-Total A (excluding pass through)			\$ 748.02			\$ 760.57	\$ 12.54	1.68%
Line Losses on Cost of Power	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	
Total Deferral/Variance Account Rate Riders	\$ -	115	\$ -	-\$ 0.1461	115	\$ (16.80)	\$ (16.80)	
CBR Class B Rate Riders	\$ -	115	\$ -	-\$ 0.0725	115	\$ (8.34)	\$ (8.34)	
GA Rate Riders	\$ -	41,000	\$ -	\$ 0.0044	41,000	\$ 180.40	\$ 180.40	
Low Voltage Service Charge	\$ 0.0748	115	\$ 8.60	\$ 0.0748	115	\$ 8.60	\$ -	0.00%
Smart Meter Entity Charge (if applicable)	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Fixed Rate Riders	\$ -	1	\$ -	\$ -	1	\$ -	\$ -	
Additional Volumetric Rate Riders	\$ -	115	\$ -	\$ -	115	\$ -	\$ -	
Sub-Total B - Distribution (includes Sub-Total A)			\$ 756.63			\$ 924.43	\$ 167.80	22.18%
RTSR - Network	\$ 3.1689	115	\$ 364.42	\$ 3.2508	115	\$ 373.84	\$ 9.42	2.58%
RTSR - Connection and/or Line and Transformation Connection	\$ 2.3456	115	\$ 269.74	\$ 2.4789	115	\$ 285.07	\$ 15.33	5.68%
Sub-Total C - Delivery (including Sub-Total B)			\$ 1,390.79			\$ 1,583.35	\$ 192.55	13.84%
Wholesale Market Service Charge (WMSC)	\$ 0.0034	42,726	\$ 145.27	\$ 0.0034	42,726	\$ 145.27	\$ -	0.00%
Rural and Remote Rate Protection (RRRP)	\$ 0.0005	42,726	\$ 21.36	\$ 0.0005	42,726	\$ 21.36	\$ -	0.00%
Standard Supply Service Charge	\$ 0.25	1	\$ 0.25	\$ 0.25	1	\$ 0.25	\$ -	0.00%
Average IESO Wholesale Market Price	\$ 0.1060	42,726	\$ 4,528.97	\$ 0.1060	42,726	\$ 4,528.97	\$ -	0.00%
Total Bill on Average IESO Wholesale Market Price			\$ 6,086.64			\$ 6,279.19	\$ 192.55	3.16%
HST	13%		\$ 791.26	13%		\$ 816.30	\$ 25.03	3.16%
Ontario Electricity Rebate	18.9%		\$ -	18.9%		\$ -	\$ -	
Total Bill on Average IESO Wholesale Market Price			\$ 6,877.91			\$ 7,095.49	\$ 217.58	3.16%

In the manager's summary, discuss the reasons

Attachment 3

2022 Global Adjustment Workform

GA Analysis Workform for 2022 Rate Applications

Version 1.0

Input cells
Drop down cells

Utility Name BLUEWATER POWER DISTRIBUTION CORPORATION

Note 1

For Account 1589 and Account 1588, determine if a or b below applies and select the appropriate year related to the account balance in the drop-down box to the right.

- a) If the account balances were last approved on a final basis, select the year of the year-end balances that were last approved on a final basis.
- b) If the account balances were last approved on an interim basis, and
 - i) there are no changes to the previously approved interim balances, select the year of the year-end balances that were last approved for disposition on an interim basis. OR
 - ii) there are changes to the previously approved interim balances, select the year of the year-end balances that were last approved for disposition on a final basis. An explanation should be provided to explain the reason for the change in the previously approved interim balances.

Year Selected

2018

(e.g. If the 2019 balances that were reviewed in the 2021 rate application were to be selected, select 2019)

Instructions:

- 1) Determine which scenario above applies (a, bi or bii). Select the appropriate year to generate the appropriate GA Analysis Workform tabs, and information in the Principal Adjustments tab and Account 1588 tab.
For example:
 - Scenario a - If 2019 balances were last approved on a final basis - Select 2019 and a GA Analysis Workform for 2020 will be generated. The input cells required in the Principal Adjustment and Account 1588 tabs will be generated accordingly as well.
 - Scenario bi - If 2019 balances were last approved on an interim basis and there are no changes to 2019 balances - Select 2019 and a GA Analysis Workform for 2020 will be generated. The input cells required in the Principal Adjustment and Account 1588 tabs will be generated accordingly as well.
 - Scenario bii - If 2019 balances were last approved on an interim basis, there are changes to 2019 balances, and 2018 balances were last approved for disposition - Select 2018 and GA Analysis Workforms for 2019 and 2020 will be generated. The input cells required in the Principal Adjustment and Account 1588 tabs will be generated accordingly as well.
- 2) Complete the GA Analysis Workform for each year generated.
- 3) Complete the Account 1588 tab. Note that the number of years that require the reasonability test to be completed are shown in the Account 1588 tab, depending on the year selected on the Information Sheet.
- 4) Complete the Principal Adjustments tab. Note that the number of years that require principal adjustment reconciliations are all shown in the one Principal Adjustments tab, depending on the year selected on the Information Sheet.

See the separate document GA Analysis Workform Instructions for detailed instructions on how to complete the Workform and examples of reconciling items and principal adjustments.

Year	Annual Net Change in Expected GA Balance from GA Analysis	Net Change in Principal Balance in the GL	Reconciling Items	Adjusted Net Change in Principal Balance in the GL	Unresolved Difference	\$ Consumption at Actual Rate Paid	Unresolved Difference as % of Expected GA Payments to IESO
2019	\$ 359,230	\$ 453,249	\$ -	\$ 453,249	\$ 94,020	\$ 574,395	16.4%
2020	\$ 28,683	\$ 217,274	\$ (79,094)	\$ 138,180	\$ 109,497	\$ 1	8102219.2%
Cumulative Balance	\$ 387,913	\$ 670,523	\$ (79,094)	\$ 591,429	\$ 203,516	\$ 574,396	N/A

Account 1588 Reconciliation Summary

Year	Account 1588 as a % of Account 4705
2019	-0.1%
2020	0.0%

GA Analysis Workform

Note 2 **Consumption Data Excluding for Loss Factor (Data to agree with RRR as applicable)**

Year		2019		
Total Metered excluding WMP	C = A+B	855,411,428	kWh	100%
RPP	A	378,532,667	kWh	44.0%
Non-RPP	B = D+E	478,778,761	kWh	56.0%
Non-RPP Class A	D	310,820,090	kWh	36.3%
Non-RPP Class B*	E	167,958,671	kWh	19.6%

*Non-RPP Class B consumption reported in this table is not expected to directly agree with the Non-RPP Class B Including Loss Adjusted Billed Consumption in the GA Analysis of Expected Balance table below. The difference should be equal to the loss factor.

Note 3 **GA Billing Rate**

GA is billed on the

1st Estimate

Please confirm that the same GA rate is used to bill all customer classes. If not, please provide further details

Yes

Please confirm that the GA Rate used for unbilled revenue is the same as the one used for billed revenue in any particular month

Yes

Note 4 **Analysis of Expected GA Amount**

Year	2019														
Calendar Month	Non-RPP Class B Including Loss Factor Billed Consumption (kWh)	GS 1000-4999 kW Rate Class on Actual GA rate (excl Class A)	Streetlighting Rate Class on Actual GA Rate	Total kWh charged Actual GA rate	Deduct Previous Month Unbilled Loss Adjusted Consumption (kWh)	Add Current Month Unbilled Loss Adjusted Consumption (kWh)	Non-RPP Class B Including Loss Adjusted Consumption for Unbilled (kWh)	GA Rate Billed (\$/kWh) - 1st Estimate	\$ Consumption at GA Rate Billed - 1st Estimate	GA Rate Billed (\$/kWh) - Actual Rate	\$ Consumption at Actual GA Rate	\$ TOTAL Consumption at GA Rate Billed	GA Actual Rate Paid (\$/kWh)	\$ Consumption at Actual Rate Paid	Expected GA Variance (\$)
	F	G	H	I = G+H	J	K	L=I-J	M	N=L*W	O	P=O*I	Q=N+P	R	S=R*(I+L)	T=S-Q
January	16,743,195	136,431	377,670	514,100,99208			16,229,094	0.06741	\$ 1,094,003	0.08092	41601.06228	1136604.30610	0.08092	\$ 1,354,859	\$ 219,255
February	14,748,546	147,410	315,629	463038.65961			14,295,507	0.09657	\$ 1,379,551	0.08812	40802.96668	1420354.37631	0.08812	\$ 1,299,642	\$ (100,713)
March	14,520,099	150,387	312,056	462442.58758			14,057,656	0.08105	\$ 1,139,373	0.08041	37185.00847	1176558.05055	0.08041	\$ 1,167,561	\$ (8,997)
April	13,074,391	106,287	264,265	370552.69270			12,710,839	0.08129	\$ 1,032,695	0.12333	45700.26359	1078395.30605	0.12333	\$ 1,612,465	\$ 534,069
May	13,079,350	127,812	240,988	368799.75513			12,710,550	0.12860	\$ 1,634,577	0.12604	46483.52114	1681060.28536	0.12604	\$ 1,648,521	\$ (32,539)
June	13,306,077	70,090	216,275	286365.19974			13,019,712	0.12444	\$ 1,620,173	0.13728	39312.21462	1659485.15115	0.13728	\$ 1,826,658	\$ 167,173
July	16,201,662	99,518	233,473	332990.23133			15,868,692	0.13527	\$ 2,146,568	0.09645	32116.90781	2178674.87991	0.09645	\$ 1,562,652	\$ (616,023)
August	15,809,237	145,996	282,194	408189.87086			15,401,047	0.07211	\$ 1,110,570	0.12607	51460.49702	1162030.01947	0.12607	\$ 1,993,071	\$ 831,041
September	14,139,088	99,869	298,537	398405.60469			13,740,683	0.12934	\$ 1,777,220	0.12263	48856.47930	1826076.36848	0.12263	\$ 1,733,876	\$ (92,209)
October	13,690,800	264,294	336,257	600551.76898			13,090,248	0.17878	\$ 2,340,274	0.13680	82155.48200	2422429.97147	0.13680	\$ 1,872,901	\$ (549,529)
November	14,444,389	219,489	357,393	576881.79877			13,867,507	0.10727	\$ 1,487,567	0.09953	57417.04543	1544984.51724	0.09953	\$ 1,437,650	\$ (107,335)
December	15,272,875	162,596	387,810	550405.17449			14,722,469	0.08569	\$ 1,261,568	0.09321	51303.26631	1312871.66974	0.09321	\$ 1,423,585	\$ 110,713
Net Change in Expected GA Balance in the Year (i.e. Transactions in the Year)	175,029,729	1,730,178	3,602,546	5,332,724	-	-	169,697,004	1	18,024,130	1	574,395	18,598,525	1	\$ 18,933,442	\$ 334,917

Annual Non-RPP Class B Wholesale kWh *	Annual Non-RPP Class B Retail billed kWh	Annual Unaccounted for Energy Loss kWh	Weighted Average GA Actual Rate Paid (\$/kWh)**	Expected GA Volume Variance (\$)
Q	P	Q=O-P	R	P= Q*R
175,263,648	175,029,729	233,819	0.10863	24,313

Equal to (AGEW - Class A + embedded generation kWh)(Non-RPP Class B retail kWh/Total retail Class B kWh)
 **Equal to annual Non-RPP Class B \$ GA paid (i.e. non-RPP portion of CT 148 on IESO invoice) divided by Non-RPP Class B Wholesale kWh (as quantified in column O in the table above)

Total Expected GA Variance \$ 359,230

Calculated Loss Factor 1.0421
 Most Recent Approved Loss Factor for Secondary Metered Customer < 5,000kW Difference 0.0000

a) Please provide an explanation in the text box below if columns G and H for unbilled consumption are not used in the table above.

Bluewater has calendar month data available to populate the GA workform thus unbilled consumption data is not required.

b) Please provide an explanation in the text box below if the difference in loss factor is greater than 1%

N/A

Note 5 **Reconciling Items**

	Item	Amount	Explanation	Principal Adjustments	
				Principal Adjustment on DVA Continuity Schedule	If "no", please provide an explanation
	Net Change in Principal Balance in the GL (i.e. Transactions in the Year)	\$ 453,249			
1a	CT 148 True-up of GA Charges based on Actual Non-RPP Volumes - prior year				
1b	CT 148 True-up of GA Charges based on Actual Non-RPP Volumes - current year				
2a	Remove prior year end unbilled to actual revenue differences				
2b	Add current year end unbilled to actual revenue differences				
3a	Remove difference between prior year accrual/unbilled to actual from load transfers				
3b	Add difference between current year accrual/unbilled to actual from load transfers				
4a	Significant prior period billing adjustments recorded in current year				
4b	Significant current period billing adjustments recorded in other year(s)				
5	CT 2148 for prior period corrections				
6					
7					
8					
9					
10					

Note 6	Adjusted Net Change in Principal Balance in the GL	\$	453,249
	Net Change in Expected GA Balance in the Year Per Analysis	\$	359,230
	Unresolved Difference	\$	94,020
	Unresolved Difference as % of Expected GA Payments to IESO		0.5%

GA Analysis Workform

Note 2 Consumption Data Excluding for Loss Factor (Data to agree with RRR as applicable)

Year		2020		
Total Metered excluding WMP	C = A+B	846,698,016	kWh	100%
RPP	A	386,377,896	kWh	45.6%
Non RPP	B = D+E	460,320,120	kWh	54.4%
Non-RPP Class A	D	299,485,009	kWh	35.4%
Non-RPP Class B*	E	160,835,111	kWh	19.0%

*Non-RPP Class B consumption reported in this table is not expected to directly agree with the Non-RPP Class B Including Loss Adjusted Billed Consumption in the GA Analysis of Expected Balance table below. The difference should be equal to the loss factor.

Note 3 GA Billing Rate

GA is billed on the Note that the GA actual rates for April to June 2020 are based on the unadjusted GA rates, without the impacts of the GA deferral.

Please confirm that the adjusted GA rate was used to bill customers from April to June 2020.

For the months of April to June 2020, the IESO provided adjusted GA rates, which reflected the deferral of a portion of the GA as per the May 1, 2020 Emergency Order, and unadjusted GA rates which did not consider the GA deferral.

Please confirm that the same GA rate is used to bill all customer classes. If not, please provide further details

Please confirm that the GA Rate used for unbilled revenue is the same as the one used for billed revenue in any particular month

Note 4 Analysis of Expected GA Amount

Year	2020														
Calendar Month	Non-RPP Class B Including Loss Factor Billed Consumption (kWh)	GS 1000-4999 kW Rate Class on Actual GA rate (excl Class A)	Streetlighting Rate Class on Actual GA Rate	Total kWh charged Actual GA rate	Previous Month Unbilled Loss Adjusted Consumption (kWh)	Add Current Month Unbilled Loss Adjusted Consumption (kWh)	Including Loss Adjusted Consumption, Adjusted for Unbilled (kWh)	GA Rate Billed (\$/kWh) - 1st Estimate	\$ Consumption at GA Rate Billed - 1st Estimate	GA Rate Billed (\$/kWh) - Actual Rate	\$ Consumption at Actual GA Rate	\$ TOTAL Consumption at GA Rate Billed	GA Actual Rate Paid (\$/kWh)	\$ Consumption at Actual Rate Paid	Expected GA Variance (\$)
	F	G	H	I = G+H	J	K	L=F-I	M	N=L*M	O	P=O*I	Q=N+P	R	S=R*(I+L)	T=S-Q
January	16,691,326	14,130,703	376,247	14,506,949.99746			2,184,376	0.08323	\$ 181,806	0.10232	\$ 1,484,351	\$ 1,666,157	0.10232	\$ 1,707,856	\$ 41,700
February	14,516,978	12,154,850	324,350	12,479,200.07301			2,037,778	0.12451	\$ 253,724	0.11331	\$ 1,414,018	\$ 1,667,742	0.11331	\$ 1,644,919	\$ (22,823)
March	13,686,922	11,449,826	309,963	11,759,789.02444			1,927,133	0.10432	\$ 201,038	0.11942	\$ 1,404,354	\$ 1,605,392	0.11942	\$ 1,634,492	\$ 29,100
April	11,258,865	9,345,281	262,300	9,607,580.53550			1,651,285	0.13707	\$ 226,342	0.11500	\$ 1,104,872	\$ 1,331,213	0.11500	\$ 1,294,769	\$ (36,444)
May	11,797,043	9,802,611	239,140	10,041,750.91507			1,755,292	0.09293	\$ 163,119	0.11500	\$ 1,154,801	\$ 1,317,921	0.11500	\$ 1,356,660	\$ 38,739
June	13,030,401	10,769,924	215,514	10,985,438.42416			2,044,863	0.11500	\$ 235,171	0.11500	\$ 1,263,325	\$ 1,498,496	0.11500	\$ 1,498,496	\$ -
July	15,880,534	13,085,753	232,909	13,318,662.08128			2,561,872	0.10305	\$ 264,001	0.09902	\$ 1,318,814	\$ 1,592,815	0.09902	\$ 1,572,490	\$ (10,324)
August	15,735,644	13,144,498	261,604	13,406,101.67530			2,329,543	0.10232	\$ 238,359	0.10348	\$ 1,387,263	\$ 1,625,822	0.10348	\$ 1,628,324	\$ 2,702
September	13,566,340	11,386,115	297,759	11,683,874.17293			1,882,466	0.11573	\$ 217,858	0.12176	\$ 1,422,629	\$ 1,640,486	0.12176	\$ 1,651,838	\$ 11,351
October	13,516,190	11,378,077	334,437	11,712,513.80414			1,803,676	0.14954	\$ 269,722	0.12806	\$ 1,499,905	\$ 1,769,826	0.12806	\$ 1,730,883	\$ (38,743)
November	13,584,002	11,421,985	354,592	11,776,577.22542			1,807,424	0.11670	\$ 210,926	0.11705	\$ 1,378,448	\$ 1,589,375	0.11705	\$ 1,590,007	\$ 633
December	14,342,028	11,941,114	385,605	12,326,718.83761			2,015,309	0.10704	\$ 215,719	0.10558	\$ 1,301,455	\$ 1,517,174	0.10558	\$ 1,514,231	\$ (2,942)
Net Change in Expected GA Balance in the Year (i.e. Transactions in the Year)	167,606,272	140,010,737	3,594,420	143,605,157	-	-	24,001,116	1	2,677,784	1	\$ 16,134,236	\$ 18,812,019	1	\$ 18,824,967	\$ 12,948

Annual Non-RPP Class B Wholesale kWh	Annual Non-RPP Class B Retail billed kWh (excludes April to June 2020)	Annual Unaccounted for Energy Loss kWh	Weighted Average GA Actual Rate Paid (\$/kWh)**	Expected GA Volume Variance (\$)
O	P	Q=O-P	R	P=O*R
131,656,808	131,519,963	136,845	0.11498	\$ 15,735

*Equal to (AQEW - Class A + embedded generation kWh)/(Non-RPP Class B retail kWh/Total retail Class B kWh). Note that the data for April to June 2020 should be excluded as the line loss volume variance would be reflected in the reconciling item below for #5 Impacts from GA deferral.

**Equal to annual Non-RPP Class B \$ GA paid (i.e. non-RPP portion of CT 148 on IESO invoice) divided by Non-RPP Class B Wholesale kWh (as quantified in column O in the table above). Note that the data for April to June 2020 should be excluded as the line loss volume variance would be reflected in the reconciling item below for #5 Impacts from GA deferral.

Total Expected GA Variance \$ 28,683

Calculated Loss Factor 1.0421
 Most Recent Approved Loss Factor for Secondary Metered Customer < 5,000kW 1.0421
 Difference 0.0000

a) Please provide an explanation in the text box below if columns G and H for unbilled consumption are not used in the table above.

Bluewater has calendar month data available to populate the GA workform thus unbilled consumption data is not required.

b) Please provide an explanation in the text box below if the difference in loss factor is greater than 1%

N/A

Note 5 **Reconciling Items**

	Item	Amount	Explanation	Principal Adjustment on DVA Continuity Schedule	Principal Adjustments If "no", please provide an explanation
	Net Change in Principal Balance in the GL (i.e. Transactions in the Year)	\$ 217,274			
	CT 148 True-up of GA Charges based on Actual Non-RPP Volumes - prior year				
1a	CT 148 True-up of GA Charges based on Actual Non-RPP Volumes - current year				
2a	Remove prior year end unbilled to actual revenue differences				
2b	Add current year end unbilled to actual revenue differences				
3a	Significant prior period billing adjustments recorded in current year				
3b	Significant current period billing adjustments recorded in other year(s)				
4	CT 2148 for prior period corrections				
5	Impacts of GA deferral	\$ (79,094)	GA Cost in General Ledger higher than Actual Cost due to IESO estimation of GA Deferral Credit		
6					
7					
8					
9					
10					
11					

Note 6	Adjusted Net Change in Principal Balance in the GL	\$	138,180
	Net Change in Expected GA Balance in the Year Per Analysis	\$	28,683
	Unresolved Difference	\$	109,497
	Unresolved Difference as % of Expected GA Payments to IESO		<u>1%</u>



Account 1588 Reasonability

Note 7 Account 1588 Reasonability Test

Year	Account 1588 - RSVA Power			Account 4705 - Power Purchased	Account 1588 as % of Account 4705
	Transactions ¹	Principal Adjustments ¹	Total Activity in Calendar Year		
2019	-	48,316	-	44,193,152	-0.1%
2020	-	21,753	-	56,514,280	0.0%
Cumulative	-	26,563	-	240,115,177	0.0%

Notes

- 1) The transactions should equal the "Transaction" column in the DVA Continuity Schedule. This is also expected to equal the transactions in the general ledger (excluding transactions relating to the removal of approved disposition amounts as that is shown in a separate column in the DVA Continuity Schedule)
- 2) Principal adjustments should equal the "Principal Adjustments" column in the DVA Continuity Schedule. Principal adjustments adjust the transactions in the general ledger to the amount that should be requested for disposition.

GA Analysis Workform - Account 1588 and 1589 Principal Adjustment Reconciliation

Note 8 **Breakdown of principal adjustments included in last approved balance:**

Account 1589 - RSVA Global Adjustment			
Adjustment Description	Amount	To be reversed in current application?	Explanation if not to be reversed in current application
1			
2			
3			
4			
5			
6			
7			
8			
Total	-		
Total principal adjustments included in last approved balance			
Difference	-		

Account 1588 - RSVA Power			
Adjustment Description	Amount	To be Reversed in Current Application?	Explanation if not to be reversed in current application
1			
2			
3			
4			
5			
6			
7			
8			
Total	-		
Total principal adjustments included in last approved balance			
Difference	-		

Note 9 **Principal adjustment reconciliation in current application:**

Notes

- 1) The "Transaction" column in the DVA Continuity Schedule is to equal the transactions in the general ledger (excluding transactions relating to the removal of approved disposition amounts as that is shown in a separate column in the DVA Continuity Schedule)
- 2) Any principal adjustments needed to adjust the transactions in the general ledger to the amount that should be requested for disposition should be shown separately in the "Principal Adjustments" column of the DVA Continuity Schedule
- 3) The "Variance RRR vs. 2020 Balance" column in the DVA Continuity Schedule should equal principal adjustments made in the current disposition period. It should not be impacted by reversals from prior year approved principal adjustments.
- 4) Principal adjustments to the pro-ration of CT 148 true-ups (i.e. principal adjustment #1 in tables below) are expected to be equal and offsetting between Account 1588 and Account 1589, if not, please explain. If this results in further adjustments to RPP settlements, this should be shown separately as a principal adjustment to CT 1142/142 (i.e. principal adjustment #2 in tables below)

Complete the table below for the current disposition period. Complete a table for each year included in the balance under review in this rate application. The number of tables to be completed is automatically generated based on data provided in the Information Sheet

Account 1589 - RSVA Global Adjustment			
Year	Adjustment Description	Amount	Year Recorded in GL
<i>Reversals of prior approved principal adjustments (auto-populated from table above)</i>			
1			
2			
3			
4			
5			
6			
7			
8			
Total Reversal Principal Adjustments		-	
<i>Current year principal adjustments</i>			
1	CT 148 true-up of GA Charges based on actual Non-RPP volumes		
2	Unbilled to actual revenue differences		
3			
4			
5			
6			
7			
8			
Total Current Year Principal Adjustments		-	
Total Principal Adjustments to be Included on DVA Continuity Schedule/Tab 3 - IRM Rate Generator Model		-	

Account 1588 - RSVA Power			
Year	Adjustment Description	Amount	Year Recorded in GL
<i>Reversals of prior approved principal adjustments (auto-populated from table above)</i>			
1			
2			
3			
4			
5			
6			
7			
8			
Total Reversal Principal Adjustments		-	
<i>Current year principal adjustments</i>			
1	CT 148 true-up of GA Charges based on actual RPP volumes		
2	CT 1142/142 true-up based on actuals		
3	Unbilled to actual revenue differences		
4			
5			
6			
7			
8			
Total Current Year Principal Adjustments		-	
Total Principal Adjustments to be Included on DVA Continuity Schedule/Tab 3 - IRM Rate Generator Model		-	

Account 1589 - RSVA Global Adjustment			
Year	Adjustment Description	Amount	Year Recorded in GL
<i>Reversals of prior year principal adjustments</i>			
1	Reversal of prior year CT-148 true-up of GA Charges based on actual Non-RPP volumes		
2	Reversal of Unbilled to actual revenue differences		
3			
4			
5			
6			
7			
8			
Total Reversal Principal Adjustments		-	
<i>Current year principal adjustments</i>			
1	CT 148 true-up of GA Charges based on actual Non-RPP volumes		
2	Unbilled to actual revenue differences		
3			
4			
5			
6			
7			
8			
Total Current Year Principal Adjustments		-	
Total Principal Adjustments to be Included on DVA Continuity Schedule/Tab 3 - IRM Rate Generator Model		-	

Account 1588 - RSVA Power			
Year	Adjustment Description	Amount	Year Recorded in GL
<i>Reversals of prior year principal adjustments</i>			
1	Reversal of CT 148 true-up of GA Charges based on actual RPP volumes		
2	Reversal of CT 1142/142 true-up based on actuals		
3	Reversal of Unbilled to actual revenue differences		
4			
5			
6			
7			
8			
Total Reversal Principal Adjustments		-	
<i>Current year principal adjustments</i>			
1	CT 148 true-up of GA Charges based on actual RPP volumes		
2	Reversal of CT 1142/142 true-up based on actuals		
3	Unbilled to actual revenue differences		
4			
5			
6			
7			
8			
Total Current Year Principal Adjustments		-	
Total Principal Adjustments to be Included on DVA Continuity Schedule/Tab 3 - IRM Rate Generator Model		-	

Attachment 4

2022 Account 1595 Workform



1595 Analysis Workform

Account 1595 Analysis Workform

Input cells

Drop down cells

Utility Name Bluewater Power Distribution Corporation
Utility name must be selected

	Eligible for disposition?
2015 and pre-2015	No
2016	No
2017	Yes
2018	No
2019	No
2020	No

Note that vintage years 2

1595 Analysis Workform

Year in which this worksheet relates to		2017							
Components of the 1595 Account Balances:		Principal Balance Approved for Disposition	Carrying Charges Balance Approved for Disposition	Total Balances Approved for Disposition	Rate Rider Amounts Collected/(Returned)	Residual Balances Pertaining to Principal and Carrying Charges Approved for Disposition	Carrying Charges Recorded on Net Principal Account Balances	Total Residual Balances	Collections/Returns Variance (%)
Total Group 1 and Group 2 Balances excluding Account 1589 - Global Adjustment		-\$1,462,446	-\$36,139	-\$1,498,585	-\$1,529,652	\$31,067	-\$10,081	\$20,986	-2.1%
Account 1589 - Global Adjustment		\$325,487	-\$8,978	\$316,509	\$332,597	-\$16,088	\$2,153	-\$13,935	-5.1%
Total Group 1 and Group 2 Balances		-\$1,136,959	-\$45,117	-\$1,182,076	-\$1,197,055	\$14,979	-\$7,928	\$7,051	-1.3%
Shared Tax Savings (Approved by the OEB in Prior Decision(s) and Order(s) and Transferred to Account 1595), if any:								\$30,493	
Total Balances:								\$37,544	
Total residual balance per continuity schedule:								\$40,130	
Difference (any variance should be explained):								\$2,586	

*Unresolved differences of +/- 10% require further analysis and explanation. Amounts originally approved for disposition based on forecasted consumption or number of customers must be compared to actual figures.

Attachment 5
2022 LRAMVA Workform



Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) Work Form

Generic LRAMVA Work Forms

Worksheet Name	Description
1. LRAMVA Summary	Tables 1-a and 1-b provide a summary of the LRAMVA balances and carrying charges associated with the LRAMVA disposition. The balances are populated from entries into other tabs throughout this work form.
1-a. Summary of Changes	Tables A-1 and A-2 include a template for LDCs to summarize changes to the LRAMVA work form.
2. LRAMVA Threshold	Tables 2-a, 2-b and 2-c include the LRAMVA thresholds and allocations by rate class.
3. Distribution Rates	Tables 3-a and 3-b include the distribution rates that are used to calculate lost revenues.
3-a. Rate Class Allocations	A blank spreadsheet is provided to allow LDCs to populate distributor specific rate class percentages to allocate actual CDM savings to different customer classes.
4. 2011-2014 LRAM	Tables 4-a, 4-b, 4-c and 4-d include the template 2011-2014 LRAMVA work forms.
5. 2015-2020 LRAM	Tables 5-a, 5-b, 5-c and 5-d include the template 2015-2020 LRAMVA work forms.
6. Carrying Charges	Table 6-b includes the variance on carrying charges related to the LRAMVA disposition.
7. Persistence Report	A blank spreadsheet is provided to allow LDCs to populate with CDM savings persistence data provided by the IESO.
8. Streetlighting	A blank spreadsheet is provided to allow LDCs to populate data on streetlighting projects whose savings were not provided by the IESO in the CDM Final Results Report (i.e., streetlighting projects).

This Workbook Model is protected by copyright and is being made available to you solely for the purpose of filing your application. You may use and copy this model for that purpose, and provide a copy of this model to any person that is advising or assisting you in that regard. Except as indicated above, any copying, reproduction, publication, sale, adaptation, translation, modification, reverse engineering or other use or dissemination of this model without the express written consent of the Ontario Energy Board is prohibited. If you provide a copy of this model to a person that is advising or assisting you in preparing the application or reviewing your draft rate order, you must ensure that the person understands and agrees to the restrictions noted above.

While this model has been provided in Excel format and is required to be filed with the applications, the onus remains on the applicant to ensure the accuracy of the data and the



LRAMVA Work Form: Instructions

Tab	Instructions
LRAMVA Checklist/Schematic Tab	<p>The LRAMVA work form was created in a generic manner for use by all LDCs. Distributors should follow the checklist, which is referenced in this tab of the work form and listed below:</p> <ul style="list-style-type: none"> o Highlight changes to this work form made by the LDC, if any, and provide rationale for the change in Tab 1-a. o Include any necessary assumptions the LDC has to make in its LRAMVA work form in the "Notes" section of the work form. o Provide documentation on the LRAMVA threshold by providing the reference and source material from the LDC's cost of service proceeding where its most recent load forecast was approved. o Include a copy of initiative-level persistence savings information that was verified by the IESO. Persistence information is available upon request from the IESO. o Apply the IESO verified savings adjustments to the year it relates to. For example, savings adjustments to 2015 programs will be provided to LDCs with the 2016 Final Results Report. The 2015 savings adjustments should be included in the 2015 verified savings portion of the work form. o Provide documentation or data substantiating savings from projects that were not provided in the IESO's verified results reports, inserted in Tab 8 (i.e., streetlighting projects), as applicable. o Provide documentation or analysis on how rate class allocations were determined by customer class and program each year, inserted in Tab 3-a.
Tab 1. LRAMVA Summary	Distributors are required to report any past approved LRAMVA amounts along with the current LRAMVA amount requested for approval. There are separate tables indicating new lost revenues and carrying charges amounts by year and the totals for rate rider calculations.
Tab 1-a. Summary of Changes	Distributors should list all significant changes and changes in assumptions in the generic work form affecting the LRAMVA.
Tab 2. LRAMVA Threshold	Distributors should use the tables to display the LRAMVA threshold amounts as approved at a rate class level. This should be taken from the LDC's most recently approved cost of service application.
Tab 3. Distribution Rates	Distributors should complete the tables with rate class specific distribution rates and adjustments as applicable.
Tab 3-a. Rate Class Allocations	A tab is provided to allow LDCs to include documentation or analysis on how rate class allocations for actual CDM savings were determined by customer class and program each year. The rate class allocations would support the LRAMVA rate class allocation figures used in Tabs 4 and 5.
Tabs 4 and 5 (2011-2020)	<p>Distributors should complete the lost revenue calculation for 2011-2014 program years and 2015-2020 program years, as applicable, by undertaking the following:</p> <ul style="list-style-type: none"> o Input or manually link the savings, adjustments and program savings persistence data from Tab 7 (Persistence Report) to Tabs 4 and 5. As noted earlier, persistence data is available upon request from the IESO. o Ensure that the IESO verified savings adjustments apply to the program year it relates to. For example, savings adjustments related to 2012 programs that were reported by the IESO in 2013 should be included in the 2012 program savings table. o Confirm the monthly multipliers applied to demand savings. If a different monthly multiplier is used than what was confirmed in the LRAMVA Report, provide rationale in Tab 1-a and highlight the new monthly multiplier that has been used. o Input the rate class allocations by program and year to allocate actual savings to customers. If a different allocation is proposed for adjustments, LDCs must provide the supporting rationale in Tab 1-a and highlight the change.

o Provide assumptions about the year(s) in which persistence is captured in the load forecast via the "Notes" section of each table and adjust what is included in the LRAMVA totals, as appropriate.

Tab 6. Carrying Charges

Distributors are requested to calculate carrying charges based on the methodology provided in the work form. This includes updating Table 6 as new prescribed interest rates for deferral and variance accounts become available and entering any collected interest amounts into the "Amounts Cleared" row to calculate outstanding variances on carrying charges.

Tab 7. Persistence Report

Persistence savings report(s) provided by the IESO should be included for the relevant years in the LRAMVA work form. Tab 7 has been created consistently with the IESO's persistence report.

Tab 8. Streetlighting

A tab is provided to ensure LDCs include documentation or data to support projects whose program savings were not provided by the IESO (i.e., streetlighting projects).



LRAMVA Work Form: Checklist and Schematic

General Note on the LRAMVA Model

The LRAMVA work form has been created in a generic manner that should allow for use by all LDCs. This LRAMVA work form consolidates information that LDCs are already required to file with the OEB. The model has been created to provide LDCs with a consistent format to display CDM impacts, the forecast savings component and, ultimately, any variance between actual CDM savings and forecast CDM savings. The majority of the information required in the LRAMVA work form will be provided to LDCs from the IESO as part of the Final CDM Results and Participation and Cost Report. Please contact the IESO for any reports that may be required to complete this LRAMVA work form.

The LRAMVA work form is unlocked to enable LDCs to tailor it to their own unique circumstances.

LRAMVA (\$) = (Actual Net CDM Savings - Forecast CDM Savings) x Distribution Volumetric Rate + Carrying Charges from LRAMVA balance

Legend

Drop Down List (Blue)

Important Checklist

Yes	<input type="checkbox"/> Highlight changes to this work form made by the LDC, if any, and provide rationale for the change in Tab 1-a
Yes	<input type="checkbox"/> Include any necessary assumptions the LDC has to make in its LRAMVA work form in the "Notes" section of the work form
Yes	<input type="checkbox"/> Provide documentation on the LRAMVA threshold by providing the reference and source material from the LDC's cost of service proceeding where its most recent load forecast was approved
Yes	<input type="checkbox"/> Include a copy of initiative-level persistence savings information that was verified by the IESO in Tab 7. Persistence information is available upon request from the IESO
Yes	<input type="checkbox"/> Apply the IESO verified savings adjustments to the year it relates to.
Yes	<input type="checkbox"/> Provide documentation or data substantiating savings from projects that were not provided in the IESO's verified results reports, inserted in Tab 8 (i.e., streetlighting projects), as applicable
Yes	<input type="checkbox"/> Provide documentation or analysis on how rate class allocations were determined by customer class and program each year, inserted in Tab 3-a

Work Form Calculations	Source of Calculation	Inputs (Tables to Complete)	Source of Data Inputs	Outputs of Data (Auto-Populated)
Actual Incremental CDM Savings by Initiative	Tabs "4. 2011-2014 LRAM" and "5. 2015-2020 LRAM"	Tables 4-a to 4-d / 5-a to 5-f (Columns D & O)	IESO Verified Persistence Results Reports included in Tab 7 (Columns L to BT).	Tables 4-a to 4-d / 5-a to 5-f (Columns Y-AL)
+/- IESO Verified Savings Adjustments	Tab "4. 2011-2014 LRAM"	Tables 4-a to 4-d / 5-a to 5-f (Columns D-M & Columns O-X)	IESO Verified Persistence Results Reports included in Tab 7 (Columns L to BT).	Tables 4-a to 4-d / 5-a to 5-f (Columns Y-AL)
+ Initiative Level Savings Persistence	Tab "4. 2011-2014 LRAM"	Tables 4-a to 4-d / 5-a to 5-f (Columns E-M & Columns P-X)	IESO Verified Persistence Results Reports included in Tab 7 (Columns L to BT).	Tables 4-a to 4-d / 5-a to 5-f (Columns Y-AL)
x Allocation % to Rate Class	Tabs "4. 2011-2014 LRAM" and "5. 2015-2020 LRAM"	Tables 4-a to 4-d / 5-a to 5-f (Columns Y-AJ)	Determined by the LDC	
Actual Lost Revenues (kWh and kW) by Rate Class	Tabs "4. 2011-2014 LRAM" and "5. 2015-2020 LRAM"			
- Forecast Lost Revenues (kWh and kW) by Rate Class	Tabs "4. 2011-2014 LRAM" and "5. 2015-2020 LRAM"	Tab "2. LRAMVA Threshold" Tables 2-a, 2-b and 2-c		
x Distribution Rate by Rate Class	Tab "3. Distribution Rates"	Table 3	LDC's Approved Tariff Sheets	
LRAMVA (\$) by Rate Class	Tabs "4. 2011-2014 LRAM" and "5. 2015-2020 LRAM"			Tables 1-a and 1-b
+ Carrying Charges (\$) by Rate Class	Tabs "1. LRAMVA Summary" and "6. Carrying Charges"	Table 6		Table 6-a
Total LRAMVA (\$) by Rate Class	Tab "1. LRAMVA Summary"			



LRAMVA Work Form: Summary Tab

Legend	User Inputs (Green)
	Auto Populated Cells (White)
	Instructions (Grey)

LDC Name | Bluewater Power Distribution Corporation

Application Details

Please fill in the requested information: a) the amounts approved in the previous LRAMVA application, b) details on the current application, and c) documentation of changes if applicable.

A. Previous LRAMVA Application

Previous LRAMVA Application (EB#)	EB-2019-0021
Application of Previous LRAMVA Claim	2020 IRM Application
Period of LRAMVA Claimed in Previous Application	2019
Amount of LRAMVA Claimed in Previous Application	\$ 357,531.01

B. Current LRAMVA Application

Current LRAMVA Application (EB#)	EB-2021-0008
Application of Current LRAMVA Claim	2022 IRM Application
Period of New LRAMVA in this Application	2020
Period of Rate Recovery (# years)	1

C. Documentation of Changes

Original Amount	
Amount for Final Disposition	

Actual Lost Revenues (\$)	A	\$	371,480
Forecast Lost Revenues (\$)	B	\$	42,229
Carrying Charges (\$)	C	\$	2,351
LRAMVA (\$) for Account 1568	A-B+C	\$	331,601

Table 1-a. LRAMVA Totals by Rate Class

Please input the customer rate classes applicable to the LDC and associated billing units (kWh or kW) in Table 1-a below. This will update all tables throughout the workform.

The LRAMVA total by rate class in Table 1-a should be used to inform the determination of rate riders in the Deferral and Variance Account Work Form or IRM Rate Generator Model. Please also ensure that the principal amounts in column E of Table 1-a capture the appropriate years and amounts for the LRAMVA claim. Column F of Table 1-a should include projected carrying charges amounts as determined on a rate class basis from Table 1-b below.

NOTE: If the LDC has more than 14 customer classes in which CDM savings was allocated, LDCs must contact OEB staff to make adjustments to the workform.

Customer Class	Billing Unit	Principal (\$)	Carrying Charges (\$)	Total LRAMVA (\$)
Residential	kWh	\$0	\$0	\$0
GS<50 kW	kWh	\$60,119	\$429	\$60,549
General Service 50 - 999 kW	kW	\$257,585	\$1,839	\$259,424
General Service 1,000 - 4,999 kW	kW	\$10,287	\$73	\$10,360
Sentinel Lighting	kW	-\$83	-\$1	-\$84
Street Lighting	kW	-\$891	-\$6	-\$898
Unmetered Scattered Load	kWh	-\$1,270	-\$9	-\$1,279
Large Use	kW	\$3,503	\$25	\$3,528
		\$0	\$0	\$0
		\$0	\$0	\$0
		\$0	\$0	\$0
		\$0	\$0	\$0
		\$0	\$0	\$0
Total		\$329,251	\$2,351	\$331,601

Table 1-b. Annual LRAMVA Breakdown by Year and Rate Class

In column C of Table 1-b below, please insert a 'check mark' to indicate the years in which LRAMVA has been claimed. If you inserted a check-mark for a particular year, please delete the amounts associated with the actual and forecast lost revenues for all rate classes for that year, up to and including the total. Any LRAMVA from a prior year that has already been claimed cannot be included in the current LRAMVA disposition, with the exception of the case noted below.

If LDCs are seeking to claim true-up amounts that were previously approved by the OEB, please note that the "Amount Cleared" rows are applicable to the LDC and should be filled out. This may relate to claiming the difference in LRAM approved before the May 19, 2016 Peak Demand Consultation, and the lost revenues that would have been incurred after that consultation, as approved by the OEB. If this is the case, reference to the decision must be noted in the rate application. If this is not the case, LDCs are requested to leave those rows blank.

LDCs are expected to include projected carrying charges amounts in row 84 of Table 1-b below. LDCs should also check accuracy of the years included in the LRAMVA balance in row 85.

Description	LRAMVA Previously Claimed	Residential	GS<50 kW	General Service 50 - 999 kW	General Service 1,000 - 4,999 kW	Sentinel Lighting	Street Lighting	Unmetered Scattered Load	Large Use								Total
		kWh	kWh	kW	kW	kW	kW	kWh	kW	0	0	0	0	0	0	0	
2011 Actuals	<input checked="" type="checkbox"/>	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2011 Forecast		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Amount Cleared																	
2012 Actuals	<input checked="" type="checkbox"/>	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2012 Forecast		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Amount Cleared																	
2013 Actuals	<input checked="" type="checkbox"/>	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2013 Forecast		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Amount Cleared																	
2014 Actuals	<input checked="" type="checkbox"/>	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2014 Forecast		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Amount Cleared																	
2015 Actuals	<input checked="" type="checkbox"/>	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2015 Forecast		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Amount Cleared																	
2016 Actuals	<input checked="" type="checkbox"/>	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2016 Forecast		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Amount Cleared																	
2017 Actuals	<input checked="" type="checkbox"/>	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2017 Forecast		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Amount Cleared																	
2018 Actuals	<input checked="" type="checkbox"/>	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2018 Forecast		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Amount Cleared																	
2019 Actuals																	\$0.00
2019 Forecast																	\$0.00
Amount Cleared																	
2020 Actuals		\$0.00	\$92,473.88	\$262,655.91	\$11,401.96	\$0.00	\$0.00	\$0.00	\$4,948.35	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$371,480.10
2020 Forecast		\$0.00	(\$32,354.44)	(\$5,070.72)	(\$1,114.94)	(\$83.08)	(\$891.22)	(\$1,270.05)	(\$1,444.94)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	(\$42,229.38)
Amount Cleared																	
Carrying Charges		\$0.00	\$429.23	\$1,839.05	\$73.45	(\$0.59)	(\$6.36)	(\$9.07)	\$25.01	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$2,350.71
Total LRAMVA Balance		\$0	\$60,549	\$259,424	\$10,360	-\$84	-\$898	-\$1,279	\$3,528	\$0	\$331,601.44						

Note: LDC to make note of assumptions included above, if any

Return to top		2020	Total
Residential	Actual	\$0	
	Forecast	\$0	\$0
GS < 50 kW	Actual	\$92,474	
	Forecast	(\$32,354)	\$60,119
GS 50 - 999 kW	Actual	\$262,656	
	Forecast	(\$5,071)	\$257,585
GS > 1,000 kW	Actual	\$11,402	
	Forecast	(\$1,115)	\$10,287
Sen. Lighting	Actual	\$0	
	Forecast	(\$83)	(\$83)
Street Lighting	Actual	\$0	
	Forecast	(\$891)	(\$891)
USL	Actual	\$0	
	Forecast	(\$1,270)	(\$1,270)
Large Use	Actual	\$4,948	
	Forecast	(\$1,445)	\$3,503
Total	Actual	\$371,480	
	Forecast	(\$42,229)	\$329,251

Rate Class	Billing Unit	Principal	Carrying Charges	Total LRAMVA	Billing Determinants	Rate Rider
Residential	kWh	\$0	\$0	\$0	270,338,602	\$0.0000
GS < 50 kW	kWh	\$60,549	\$429	\$60,549	94,820,550	\$0.0006
GS 50 - 999 kW	kW	\$257,585	\$1,839	\$259,424	511,400	\$0.5073
GS > 1,000 kW	kW	\$10,287	\$73	\$10,360	241,408	\$0.0429
Sentinel Lighting	kW	(\$83)	(\$1)	(\$84)	1,96	(\$0.072)
Street Lighting	kW	(\$891)	(\$6)	(\$898)	9,569	(\$0.0938)
USL	kWh	(\$1,270)	(\$9)	(\$1,279)	2,209,115	(\$0.0006)
Large Use	kW	\$3,503	\$25	\$3,528	461,693	\$0.0076
Total		\$329,251	\$2,350	\$331,601		



LRAMVA Work Form: Summary of Changes

Legend

- User Inputs (Green)
- Drop Down List (Blue)
- Instructions (Grey)

Table A-1. Changes to Generic Assumptions in LRAMVA Work Form

Please document any changes in assumptions made to the generic inputs of the LRAMVA work form. This may include, but are not limited to, the use of different monthly multipliers to claim demand savings from energy efficiency programs; use of different rate allocations between current year savings and prior year savings adjustments; inclusion of additional adjustments affecting distribution rates; etc. All changes should be highlighted in the work form as well.

No.	Tab	Cell Reference	Description	Rationale
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
etc.				

Table A-2. Updates to LRAMVA Disposition

Please document any changes related to interrogatories or questions during the application process that affect the LRAMVA amount.

No.	Tab	Cell Reference	Description	Rationale
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
etc.				

LRAMVA Work Form: Forecast Lost Revenues

Version 5.0 (2021)

Legend

User Inputs (Green)
Drop Down List (Blue)
Auto Populated Cells (White)
Instructions (Grey)

Table 2-a. LRAMVA Threshold 2013

Please provide the LRAMVA threshold approved in the cost of service (COS) or custom IR (CIR) application, which is used as the comparator against actual savings in the period of the LRAMVA claim. The LRAMVA threshold should generally be consistent with the annualized savings targets developed from Appendix 2-1. If a manual update is required to reflect a different allocation of forecast savings that was approved by the OEB, please note the changes and provide rationale for the change in Tab 1-a.

	Total	Residential	GS<50 kW	General Service 50 - 999 kW	General Service 1,000 - 4,999 kW	Sentinel Lighting	Street Lighting	Unmetered Scattered Load	Large Use						
	kWh		kWh	kW	kW	kW	kW	kWh	kW	0.0	0.0	0.0	0.0	0.0	0.0
kWh	16,150,633	4,162,607	1,601,705	3,612,342	2,550,308	10,058	146,427	35,877	4,031,309						
kW	2,502			1126	607	3	44		722						
Summary		4162607	1601705	1126	607	3	44	35877	722	0	0	0	0	0	0

Years Included in Threshold Proportionate share of total load (weather normalized)
 Source of Threshold EB-2012-0107 Settlement Agreement, p.25

Table 2-b. LRAMVA Threshold

Please provide the LRAMVA threshold approved in the cost of service (COS) or custom IR (CIR) application, which is used as the comparator against actual savings in the period of the LRAMVA claim. The LRAMVA threshold should generally be consistent with the annualized savings targets developed from Appendix 2-1. If a manual update is required to reflect a different allocation of forecast savings that was approved by the OEB, please note the changes and provide rationale for the change in Tab 1-a.

	Total	Residential	GS<50 kW	General Service 50 - 999 kW	General Service 1,000 - 4,999 kW	Sentinel Lighting	Street Lighting	Unmetered Scattered Load	Large Use						
	kWh		kWh	kW	kW	kW	kW	kWh	kW	0.0	0.0	0.0	0.0	0.0	0.0
kWh	0														
kW	0														
Summary		0	0	0	0	0	0	0	0	0	0	0	0	0	0

Years Included in Threshold
 Source of Threshold 20XX Settlement Agreement, p. X

Table 2-c. Inputs for LRAMVA Thresholds

Please complete Table 2-c below by selecting the appropriate LRAMVA threshold year in column C. The LRAMVA threshold values in Table 2-c will auto-populate from Tables 2-a and 2-b depending on the year selected. If there was no LRAMVA threshold established for a particular year, please select the "blank" option. The LRAMVA threshold values in Table 2-c will be auto-populated in Tabs 4 and 5 of this work form.

Year	LRAMVA Threshold	Residential	GS<50 kW	General Service 50 - 999 kW	General Service 1,000 - 4,999 kW	Sentinel Lighting	Street Lighting	Unmetered Scattered Load	Large Use						
		kWh		kWh	kW	kW	kW	kWh	kW	0.0	0.0	0.0	0.0	0.0	0.0
2011		0	0	0	0	0	0	0	0	0	0	0	0	0	0
2012		0	0	0	0	0	0	0	0	0	0	0	0	0	0
2013	2013	4,162,607	1,601,705	1,126	607	3	44	35,877	722	0	0	0	0	0	0
2014	2013	4,162,607	1,601,705	1,126	607	3	44	35,877	722	0	0	0	0	0	0
2015	2013	4,162,607	1,601,705	1,126	607	3	44	35,877	722	0	0	0	0	0	0
2016	2013	4,162,607	1,601,705	1,126	607	3	44	35,877	722	0	0	0	0	0	0
2017	2013	4,162,607	1,601,705	1,126	607	3	44	35,877	722	0	0	0	0	0	0
2018	2013	4,162,607	1,601,705	1,126	607	3	44	35,877	722	0	0	0	0	0	0
2019	2013	4,162,607	1,601,705	1,126	607	3	44	35,877	722	0	0	0	0	0	0
2020	2013	4,162,607	1,601,705	1,126	607	3	44	35,877	722	0	0	0	0	0	0

Note: LDC to make note of assumptions included above, if any



LRAMVA Work Form: Distribution Rates

Table 3. Inputs for Distribution Rates and Adjustments by Rate Class

Please complete Table 3 with the rate class specific distribution rates that pertain to the years of the LRAMVA disposition. Any adjustments that affect distribution rates can be incorporated in the calculation by expanding the "plus" button at the left hand bar. Table 3 will convert the distribution rates to a calendar year rate (January to December) based on the number of months entered in row 16 of each rate year starting from January to the start of the LDC's rate year. Please enter 0 in row 16, if the rate year begins on January 1. If there are additional adjustments (i.e., rows) added to Table 3, please adjust the formulas in Table 3-a accordingly.

	Billing Unit	EB-2009-XXXX	EB-2010-0065	EB-2011-0153	EB-2012-0107	EB-2013-0112	EB-2014-0057	EB-2015-0053	EB-2016-0057	EB-2017-0027	EB-2018-0019	EB-2019-0021	EB-2020-0005
Rate Year		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Period 1 (# months)					4	4	4	4	4	4	4	10	4
Period 2 (# months)		12	12	12	8	8	8	8	8	8	8	2	8
Residential	kWh		\$ 0.0186	\$ 0.0188	\$ 0.0211	\$ 0.0214	\$ 0.0217	\$ 0.0166	\$ 0.0113	\$ 0.0058	\$ -	\$ -	\$ -
Rate rider for tax sharing													
Rate rider for foregone revenue													
Other													
Adjusted rate		\$ -	\$ 0.0186	\$ 0.0188	\$ 0.0211	\$ 0.0214	\$ 0.0217	\$ 0.0166	\$ 0.0113	\$ 0.0058	\$ -	\$ -	\$ -
Calendar year equivalent		\$	\$ 0.0186	\$ 0.0188	\$ 0.0203	\$ 0.0213	\$ 0.0216	\$ 0.0183	\$ 0.0131	\$ 0.0076	\$ 0.0019	\$ -	\$ -
GS<50 kW	kWh		\$ 0.0169	\$ 0.0166	\$ 0.0186	\$ 0.0189	\$ 0.0191	\$ 0.0194	\$ 0.0197	\$ 0.0199	\$ 0.0201	\$ 0.0204	\$ 0.0207
Rate rider for tax sharing													
Rate rider for foregone revenue												\$ 0.0003	\$ 0.0003
Other													
Adjusted rate		\$ -	\$ 0.0169	\$ 0.0166	\$ 0.0186	\$ 0.0189	\$ 0.0191	\$ 0.0194	\$ 0.0197	\$ 0.0199	\$ 0.0201	\$ 0.0207	\$ 0.0210
Calendar year equivalent		\$	\$ 0.0169	\$ 0.0166	\$ 0.0179	\$ 0.0188	\$ 0.0190	\$ 0.0193	\$ 0.0196	\$ 0.0198	\$ 0.0200	\$ 0.0202	\$ 0.0209
General Service 50 - 999 kW	kW		\$ 3.5306	\$ 3.5617	\$ 4.1269	\$ 4.1847	\$ 4.2391	\$ 4.3154	\$ 4.3844	\$ 4.4239	\$ 4.4770	\$ 4.5531	\$ 4.6259
Rate rider for tax sharing													
Rate rider for foregone revenue												\$ 0.0819	\$ 0.0819
Other													
Adjusted rate		\$ -	\$ 3.5306	\$ 3.5617	\$ 4.1269	\$ 4.1847	\$ 4.2391	\$ 4.3154	\$ 4.3844	\$ 4.4239	\$ 4.4770	\$ 4.6350	\$ 4.7078
Calendar year equivalent		\$	\$ 3.5306	\$ 3.5617	\$ 3.9385	\$ 4.1654	\$ 4.2210	\$ 4.2900	\$ 4.3614	\$ 4.4107	\$ 4.4593	\$ 4.5033	\$ 4.6835
General Service 1,000 - 4,999 kW	kW		\$ 1.2678	\$ 1.2790	\$ 1.6835	\$ 1.7071	\$ 1.7293	\$ 1.7604	\$ 1.7886	\$ 1.8047	\$ 1.8264	\$ 1.8574	\$ 1.8871
Rate rider for tax sharing													
Rate rider for foregone revenue												\$ 0.0316	\$ 0.0316
Other													
Adjusted rate		\$ -	\$ 1.2678	\$ 1.2790	\$ 1.6835	\$ 1.7071	\$ 1.7293	\$ 1.7604	\$ 1.7886	\$ 1.8047	\$ 1.8264	\$ 1.8890	\$ 1.9187
Calendar year equivalent		\$	\$ 1.2678	\$ 1.2790	\$ 1.5487	\$ 1.6992	\$ 1.7219	\$ 1.7500	\$ 1.7792	\$ 1.7993	\$ 1.8192	\$ 1.8368	\$ 1.9088
Sentinel Lighting	kW		\$ 18.9859	\$ 22.6299	\$ 25.3845	\$ 25.7399	\$ 26.0745	\$ 26.5438	\$ 26.9685	\$ 27.2112	\$ 27.5377	\$ 28.0058	\$ 28.4539
Rate rider for tax sharing													
Rate rider for foregone revenue												\$ 0.4684	\$ 0.4684
Other													
Adjusted rate		\$ -	\$ 18.9859	\$ 22.6299	\$ 25.3845	\$ 25.7399	\$ 26.0745	\$ 26.5438	\$ 26.9685	\$ 27.2112	\$ 27.5377	\$ 28.4742	\$ 28.9223
Calendar year equivalent		\$	\$ 18.9859	\$ 22.6299	\$ 24.4663	\$ 25.6214	\$ 25.9630	\$ 26.3874	\$ 26.8269	\$ 27.1303	\$ 27.4289	\$ 27.6938	\$ 28.7729
Street Lighting	kW		\$ 14.4684	\$ 16.5512	\$ 18.5659	\$ 18.8258	\$ 19.0705	\$ 19.4138	\$ 19.7244	\$ 19.9019	\$ 20.1407	\$ 20.4831	\$ 20.8108
Rate rider for tax sharing													
Rate rider for foregone revenue												\$ 0.3430	\$ 0.3430
Other													
Adjusted rate		\$ -	\$ 14.4684	\$ 16.5512	\$ 18.5659	\$ 18.8258	\$ 19.0705	\$ 19.4138	\$ 19.7244	\$ 19.9019	\$ 20.1407	\$ 20.8261	\$ 21.1538
Calendar year equivalent		\$	\$ 14.4684	\$ 16.5512	\$ 17.8943	\$ 18.7392	\$ 18.9889	\$ 19.2994	\$ 19.6209	\$ 19.8427	\$ 20.0611	\$ 20.2549	\$ 21.0446

	Billing Unit	EB-2009-XXXX	EB-2010-0065	EB-2011-0153	EB-2012-0107	EB-2013-0112	EB-2014-0057	EB-2015-0053	EB-2016-0057	EB-2017-0027	EB-2018-0019	EB-2019-0021	EB-2020-0005	
2019	\$0.0019	\$0.0200	\$4.4593	\$1.8192	\$27.4289	\$20.0611	\$0.0351	\$1.9822	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
2020	\$0.0000	\$0.0202	\$4.5033	\$1.8368	\$27.6938	\$20.2549	\$0.0354	\$2.0013	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000

Note: LDC to make note of the years removed from this table, whose distribution rates are not part of the LRAMVA disposition



LRAMVA Work Form: Determination of Rate Class Allocations

Instructions

LDCs must clearly show how it has allocated actual CDM savings to applicable rate classes, including supporting documentation and rationale for its proposal. This should be shown by customer class and program each year.

2020 Energy Retrofit Program

ID	Rate Class	kwh	kw
1	IM Gen > 50	19,847	0.8
2	IM Gen > 50	40,915	4.7
3	IM Gen > 50	74,569	0.0
4	IM Gen > 50	68,633	20.7
5	IM Gen > 50	16,849	2.4
6	IM Gen > 50	7,458	1.5
7	IM Gen > 50	3,064	5.1
8	GS < 50	172,958	19.7
9	IM Gen > 50	7,534	1.6
10	GS < 50	9,902	0.9
11	GS < 50	9,744	0.0
12	GS < 50	53,922	16.9
13	GS < 50	52,474	12.3
14	GS < 50	12,427	0.0
15	IM Gen > 50	30,215	0.0
16	IM Gen > 50	67,777	14.8
17	IM Gen > 50	393,622	46.1
18	IM Gen > 50	107,256	35.6
Total		1,149,165.80	183.12

	kWh	kw
Net to Gross Adjustment	88.40%	1,015,863
Realization Rate	103.80%	1,054,465
Allocation to Rate Class		
GEN>50	72.90%	27.22%
GS<50	27.10%	72.78%

2019 Process & Systems Upgrade

ID	Rate Class	kwh	kw
1	GEN	2,757,000	315
GEN Total		2,757,000	315
2	Intermediate	156,000	72
3	Intermediate	659,000	75
Intermediate Total		815,000	147
4	Large	289,000	131
Large Total		289,000	131
Grand Total		3,861,000	593

	kWh	kw
Net To Gross Adjust	91.30%	959,563
Realization Rate	101.90%	977,795
% Allocation to Rate		
Intermediate	19.2%	95.45%
Large	80.8%	4.55%

2019 Process & Systems Upgrade (2020 Update)

ID	Rate Class	kwh	kw
2	Intermediate	358,000	51
Total		1,496,000	181

*Updated Savings for projects 2 & 4

2019 PSUP Adjustment

kWh	kw
202,000	-21
849,000	-1
1,051,000	-22

Note: LDC to make note of key assumptions included above

Table 5-4. 2020 Lost Revenues Work Form

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Program	Results Status	Net Energy Savings Persistence (kWh)										Monthly Multiplier	Net Peak Demand Savings Persistence (kW)										Rate Allocations for LRAMVA																		
		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	Residential	GS-50 kW	General Service 50 - 999 kW	General Service 1,000 - 4,999 kW	Sentinel Lighting	Street Lighting	Unmetered Scattered Load	Large Use	0	0	0	0	0	0	Total				
Legacy Framework																																									
Residential Program																																									
1	Verified True-up																																							0%	
Commercial & Institutional Program																																									
6	Verified True-up											12																													0%
7	Verified True-up											12																													0%
8	Verified True-up											12																													0%
9	Verified True-up											12																													0%
10	Verified True-up											3																													0%
Industrial Program																																									
11	Verified True-up											12																													0%
12	Verified True-up											12																													0%
13	Verified True-up											12																													0%
Low Income Program																																									
14	Verified True-up											12																													0%
Other																																									
15	Verified True-up											0																													0%
16	Verified True-up											0																													0%
Conservation Fund Pilots																																									
17	Verified True-up											12																													0%
18	Verified True-up											12																													0%
19	Verified True-up											12																													0%
20	Verified True-up											12																													0%
Conservation First Framework																																									
Residential Province-Wide Programs																																									
21	Verified True-up																																							0%	
22	Verified True-up																																							0%	
23	Verified True-up																																							0%	
24	Verified True-up																																							0%	
Non-Residential Province-Wide Programs																																									
25	Verified True-up											12																													0%
26	Verified True-up	1,054,465	1,054,465									12	168	168											27.10%	72.78%															100%
27	Verified True-up											12																													0%
28	Verified True-up											12																													0%
29	Verified True-up											3																													0%
30	Verified True-up	977,795	977,795									12	-32	-32													95.45%				4.55%										100%
31	Verified True-up											12																													0%
32	Verified True-up											12																													0%
Local & Regional Programs																																									
33	Verified True-up											0																												0%	
34	Verified True-up											0																												0%	
35	Verified True-up											0																													0%



LRAMVA Work Form: Carrying Charges by Rate Class

Legend

- User Inputs (Green)
- Auto Populated Cells (White)
- Instructions (Grey)

Instructions

- Please update Table 6 as new approved prescribed interest rates for deferral and variance accounts become available. Monthly interest rates are used to calculate the variance on the carrying charges for LRAMVA. Starting from column I, the principal will auto-populate as monthly variances in Table 6-a, and are multiplied by the interest rate from column H to determine the monthly variances on carrying charges for each rate class by year.
- The annual carrying charges totals in Table 6-a below pertain to the amount that was originally collected in interest from forecasted CDM savings and what should have been collected based on actual CDM savings. As the amounts calculated in Table 6-a are cumulative, LDCs are requested to enter any collected interest amounts into the "Amounts Cleared" row in order to clear the balance and calculate outstanding variances on carrying charges.
- Please calculate the projected interest amounts in the LRAMVA work form. Project carrying charges amounts included in Table 6-a should be consistent with the projected interest amounts included in the DVA Continuity Schedule. **If there are additional adjustments required to the formulas to calculate the projected interest amounts, please adjust the formulas in Table 6-a accordingly.**

Table 6. Prescribed Interest Rates

Quarter	Approved Deferral & Variance Accounts
2011 Q1	1.47%
2011 Q2	1.47%
2011 Q3	1.47%
2011 Q4	1.47%
2012 Q1	1.47%
2012 Q2	1.47%
2012 Q3	1.47%
2012 Q4	1.47%
2013 Q1	1.47%
2013 Q2	1.47%
2013 Q3	1.47%
2013 Q4	1.47%
2014 Q1	1.47%
2014 Q2	1.47%
2014 Q3	1.47%
2014 Q4	1.47%
2015 Q1	1.47%
2015 Q2	1.10%
2015 Q3	1.10%
2015 Q4	1.10%
2016 Q1	1.10%
2016 Q2	1.10%
2016 Q3	1.10%
2016 Q4	1.10%
2017 Q1	1.10%
2017 Q2	1.10%
2017 Q3	1.10%
2017 Q4	1.50%
2018 Q1	1.50%
2018 Q2	1.89%
2018 Q3	1.89%
2018 Q4	2.17%
2019 Q1	2.45%
2019 Q2	2.18%
2019 Q3	2.18%
2019 Q4	2.18%
2020 Q1	2.18%
2020 Q2	2.18%
2020 Q3	0.57%
2020 Q4	0.57%
2021 Q1	0.57%
2021 Q2	0.57%
2021 Q3	0.57%
2021 Q4	0.57%
2022 Q1	0.57%
2022 Q2	0.57%
2022 Q3	
2022 Q4	
2023 Q1	
2023 Q2	
2023 Q3	
2023 Q4	
2024 Q1	
2024 Q2	
2024 Q3	
2024 Q4	
2025 Q1	
2025 Q2	
2025 Q3	
2025 Q4	

Table 6-a. Calculation of Carrying Costs by Rate Class

[Go to Tab 1: Summary](#)

Month	Period	Quarter	Monthly Rate	Residential	GS-50 kW	General Service 50 - 999 kW	General Service 1,000 - 4,999 kW	Sentinel Lighting	Street Lighting	Unmetered Scattered Load	Large Use	Total	
Jan-11	2011	Q1	0.12%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Feb-11	2011	Q1	0.12%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Mar-11	2011	Q1	0.12%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Apr-11	2011	Q2	0.12%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
May-11	2011	Q2	0.12%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Jun-11	2011	Q2	0.12%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Jul-11	2011	Q3	0.12%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Aug-11	2011	Q3	0.12%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Sep-11	2011	Q3	0.12%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Oct-11	2011	Q4	0.12%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Nov-11	2011	Q4	0.12%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Dec-11	2011	Q4	0.12%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Total for 2011													
Amount Cleared													
Opening Balance for 2012				\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Jan-12	2011-2012	Q1	0.12%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Feb-12	2011-2012	Q1	0.12%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Mar-12	2011-2012	Q1	0.12%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Apr-12	2011-2012	Q2	0.12%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
May-12	2011-2012	Q2	0.12%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Jun-12	2011-2012	Q2	0.12%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Jul-12	2011-2012	Q3	0.12%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Aug-12	2011-2012	Q3	0.12%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Sep-12	2011-2012	Q3	0.12%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Oct-12	2011-2012	Q4	0.12%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Nov-12	2011-2012	Q4	0.12%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Dec-12	2011-2012	Q4	0.12%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Total for 2012				\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Amount Cleared													
Opening Balance for 2013				\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Jan-13	2011-2013	Q1	0.12%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Feb-13	2011-2013	Q1	0.12%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Mar-13	2011-2013	Q1	0.12%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Apr-13	2011-2013	Q2	0.12%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
May-13	2011-2013	Q2	0.12%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Jun-13	2011-2013	Q2	0.12%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Jul-13	2011-2013	Q3	0.12%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Aug-13	2011-2013	Q3	0.12%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Sep-13	2011-2013	Q3	0.12%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Oct-13	2011-2013	Q4	0.12%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Nov-13	2011-2013	Q4	0.12%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Dec-13	2011-2013	Q4	0.12%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Total for 2013				\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Amount Cleared													
Opening Balance for 2014				\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Jan-14	2011-2014	Q1	0.12%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Feb-14	2011-2014	Q1	0.12%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Mar-14	2011-2014	Q1	0.12%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Apr-14	2011-2014	Q2	0.12%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
May-14	2011-2014	Q2	0.12%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Jun-14	2011-2014	Q2	0.12%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Jul-14	2011-2014	Q3	0.12%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Aug-14	2011-2014	Q3	0.12%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Sep-14	2011-2014	Q3	0.12%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Oct-14	2011-2014	Q4	0.12%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Nov-14	2011-2014	Q4	0.12%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Dec-14	2011-2014	Q4	0.12%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Total for 2014				\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Amount Cleared													
Opening Balance for 2015				\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Jan-15	2011-2015	Q1	0.12%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Feb-15	2011-2015	Q1	0.12%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Mar-15	2011-2015	Q1	0.12%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	

Attachment 5.a

IESO Participation and Cost Report

Dated April 2019

See Excel File

Attachment 5.b
2017 Final Verified Annual Results

See Excel File

Attachment 5.c
2011-2014 Persistence Report

See Excel File

Attachment 5.d

Bluewater LRAM Project Summary

		2019 Actual kWh	2019 Actual kW	2020 kWh	2020 kW	2021 kWh	2021 kW	2022 kWh	2022 kW	2023 kWh	2023 kW	2024 kWh	2024 kW	2025 kWh	2025 kW	
Retrofit Completed in 2020	GS<50			311,427	50	311,427	50	311,427	50	311,427	50	311,427	50	311,427	50	New 2020 Savings
	GEN>50			837,739	133	837,739	133	837,739	133	837,739	133	837,739	133	837,739	133	
	Intermediate															
	Large															
	TOTAL			1,149,166	183											
PSUP Completed in 2019	GS<50															Subset of 2019 PSUP projects with Adjustments Original Values
	GEN>50															
	Intermediate	156,000	72	156,000	72	156,000	72	156,000	72	156,000	72	156,000	72	156,000	72	
	Large	289,000	131	289,000	131	289,000	131	289,000	131	289,000	131	289,000	131	289,000	131	
	TOTAL	445,000	203	445,000	203	445,000	203	445,000	203	445,000	203	445,000	203	445,000	203	
PSUP Completed in 2020	GS<50															Updated savings for 2019 PSUP projects
	GEN>50															
	Intermediate	358,000	51	358,000	51	358,000	51	358,000	51	358,000	51	358,000	51	358,000	51	
	Large	1,138,000	130	1,138,000	130	1,138,000	130	1,138,000	130	1,138,000	130	1,138,000	130	1,138,000	130	
	TOTAL	1,496,000	181	1,496,000	181	1,496,000	181	1,496,000	181	1,496,000	181	1,496,000	181	1,496,000	181	
PSUP 2020 Adj. to 2019	GS<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Difference between 2019 estimate and reported savings Adjustment to PSUP savings
	GEN>50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Intermediate	202,000	21	202,000	21	202,000	21	202,000	21	202,000	21	202,000	21	202,000	21	
	Large	849,000	1	849,000	1	849,000	1	849,000	1	849,000	1	849,000	1	849,000	1	
	TOTAL	1,051,000	22	1,051,000	22	1,051,000	22	1,051,000	22	1,051,000	22	1,051,000	22	1,051,000	22	

* above values are gross values.

		2020 kWh	Realization Rate	Net-Gross	2019 Net	2020 Net Saving	2021 Persistence	2021 Savings	
Retrofit Completed in 2020	GS<50	311,427	103.8%	88.40%		285,763	100.0%	285,762.92	27.10%
	GEN>50	837,739	103.8%	88.40%		768,702	100.0%	768,702.42	72.90%
	Intermediate	-	103.8%	88.40%		-	100.0%	-	0.00%
	Large	-	103.8%	88.40%		-	100.0%	-	0.00%
	TOTAL	1,149,166				1,054,465	99.5%	1,054,465.34	100.00%
PSUP 2020 Adj. to 2019	GS<50	-	91.30%	91.30%		-	100.0%	-	0.00%
	GEN>50	-	91.30%	91.30%		-	100.0%	-	0.00%
	Intermediate	202,000	101.9%	91.30%	187,930	100.0%	187,930	100.0%	187,930.09
	Large	849,000	101.9%	91.30%	789,865	100.0%	789,865	100.0%	789,864.60
	TOTAL	445,000			977,795	100.0%	977,795	100.0%	977,794.70

	Persistence	1st Year	2nd Year	3rd Year
Retrofit	100.00%	100.00%	99.50%	
PSUP	100.00%	100.00%	100.00%	

Program Year	Savings Year	Residential	GS<50	GS>50	Int	Sen Light	St. Light	USL	LU	
2019	2019					187,930				789,865
2019	2020					187,930				789,865
2019	2021					187,930				789,865

Program Year	Savings Year	Residential	GS<50	GS>50	Int	Sen Light	St. Light	USL	LU	
2020	2019					-				-
2020	2020					285,763	768,702			
2020	2021					285,763	768,702			

		2019 Actual kWh	2019 Actual kW	2020 kWh	2020 kW	2021 kWh	2021 kW	2022 kWh	2022 kW	2023 kWh	2023 kW	2024 kWh	2024 kW	2025 kWh	2025 kW
Retrofit Completed in 2020	GS<50			311,427	50	311,427	50	311,427	50	311,427	50	311,427	50		
	GEN>50			837,739	133	837,739	133	837,739	133	837,739	133	837,739	133		
	Intermediate														
	Large														
	TOTAL			1,149,166	183										
		-	-												
New 2020 Savings															
PSUP Completed in 2019	GS<50														
	GEN>50														
	Intermediate	156,000	72	156,000	72	156,000	72	156,000	72	156,000	72	156,000	72		
	Large	289,000	131	289,000	131	289,000	131	289,000	131	289,000	131	289,000	131		
	TOTAL	445,000	203	445,000	203	445,000	203	445,000	203	445,000	203	445,000	203		
Subset of 2019 PSUP projects with Adjustments Original Values															
PSUP Completed in 2020	GS<50														
	GEN>50														
	Intermediate	358,000	51	358,000	51	358,000	51	358,000	51	358,000	51	358,000	51		
	Large	1,138,000	130	1,138,000	130	1,138,000	130	1,138,000	130	1,138,000	130	1,138,000	130		
	TOTAL	1,496,000	181	1,496,000	181	1,496,000	181	1,496,000	181	1,496,000	181	1,496,000	181		
Updated savings for 2019 PSUP projects															
PSUP 2020 Adj. to 2019	GS<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	GEN>50	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Intermediate	202,000	21	202,000	21	202,000	21	202,000	21	202,000	21	202,000	21		
	Large	849,000	1	849,000	1	849,000	1	849,000	1	849,000	1	849,000	1		
	TOTAL	1,051,000	22	1,051,000	22	1,051,000	22	1,051,000	22	1,051,000	22	1,051,000	22		
Difference between 2019 estimate and reported savings Adjustment to PSUP savings															

* above values are gross values.

		2019 kWh	2020 kWh	Realization Rate	Net-Gross	2019 Net	2020 Net Saving	2021 Persistence	2021 Savings	
Retrofit Completed in 2020	GS<50		49.84	103.8%	88.40%		46	100.0%	45.73	27.22%
	GEN>50		133.28	103.8%	88.40%		122	100.0%	122.30	72.78%
	Intermediate	-	0	103.8%	88.40%		-	100.0%	-	0.00%
	Large	-	0	103.8%	88.40%		-	-	-	-
	TOTAL		183				168	99.5%	168.03	100.00%
PSUP 2020 Adj. to 2019	GS<50	-	-	101.9%	91.30%			100.0%	-	0.00%
	GEN>50	-	-	101.9%	91.30%			100.0%	-	95.45%
	Intermediate	-	21	101.9%	91.30%	(20)		100.0%	(19.54)	4.55%
	Large	-	1	101.9%	91.30%	(1)		100.0%	(0.93)	100.00%
	TOTAL		22			(20)		100.0%	(20.47)	100.00%

	Persistence	1st Year	2nd Year	3rd Year
Retrofit	100.00%	100.00%	99.50%	
PSUP	100.00%	100.00%	100.00%	

Program Year	Savings Year	Residential	GS<50	GS>50	Int	Sen Light	St. Light	USL	LU
2019	2019					(20)			(1)
2019	2020					(20)			(1)
2019	2021					(20)			(1)
PSUP Adjustments									
Program Year	Savings Year	Residential	GS<50	GS>50	Int	Sen Light	St. Light	USL	LU
2020	2019								
2020	2020		46	122					
2020	2021		46	122					
Retrofit									

Application ID	Company Name	Rate Class	Applicant	Lead LDC Name	In Service	Incentive	kwh	kw	Measure	Framework	Approval Date of										
											IESO Incentive	EUL (years)	Year 2 kWh	Year 2 kW	Year 3 kWh	Year 3 kW	Year 4 kWh	Year 4 kW	Year 5 kWh	Year 5 kW	
190468		IM Gen > 50		Bluewater Power Distribution Corporation	Jan-20	\$ 1,865.00	19,847		0.8 Lighting	CFF	12/12/2019	12	19,847	0.8	19,747.77	0.796	19,747.77	0.796	19,747.8	0.796	
194610		IM Gen > 50		Bluewater Power Distribution Corporation	Jan-20	\$ 2,371.00	40,915		4.7 Lighting	CFF	12/20/2019	12	40,915	4.7	40,710.43	4.6765	40,710.43	4.6765	40,710.4	4.6765	
200022		IM Gen > 50		Bluewater Power Distribution Corporation	Jan-20	\$ 4,808.00	74,569		0.0 Exterior Lighting	CFF	11/26/2019	12	74,569	0.0	74,196.16	0	74,196.16	0	74,196.2	0	
201506		IM Gen > 50		Bluewater Power Distribution Corporation	Feb-20	\$ 8,280.00	68,633		20.7 Lighting	CFF	3/12/2020	14	68,633	20.7	68,289.84	20.5965	68,289.84	20.5965	68,289.8	20.5965	
179952		IM Gen > 50		Bluewater Power Distribution Corporation	Feb-20	\$ 1,260.00	16,849		2.4 Lighting/VFD	CFF	1/22/2020	15	16,849	2.4	16,764.76	2.388	16,764.76	2.388	16,764.8	2.388	
164493		IM Gen > 50		Bluewater Power Distribution Corporation	Feb-20	\$ 2,142.00	7,458		1.5 Lighting	CFF	1/22/2020	19	7,458	1.5	7,420.71	1.46265	7,420.71	1.46265	7,420.7	1.46265	
179951		IM Gen > 50		Bluewater Power Distribution Corporation	Feb-20	\$ 6,791.00	3,064		5.1 Unitary AC	CFF	1/22/2020	15	3,064	5.1	3,048.68	5.0745	3,048.68	5.0745	3,048.7	5.0745	
201108		GS < 50		Bluewater Power Distribution Corporation	Mar-20	\$ 15,136.00	172,958		19.7 Turbo Blower	CFF	2/20/2020	Custom	172,958	19.7	172,093.21	19.6413	172,093.21	19.6413	172,093.2	19.6413	
206481		IM Gen > 50		Bluewater Power Distribution Corporation	Mar-20	\$ 656.00	7,534		1.6 LED Tube	CFF	3/18/2020	12	7,534	1.6	7,496.33	1.6318	7,496.33	1.6318	7,496.3	1.6318	
196424		GS < 50		Bluewater Power Distribution Corporation	Apr-20	\$ 2,045.00	9,902		0.9 Lighting	CFF	3/19/2020	14	9,902	0.9	9,852.49	0.8955	9,852.49	0.8955	9,852.5	0.8955	
202002		GS < 50		Bluewater Power Distribution Corporation	May-20	\$ 880.00	9,744		0.0 Exterior lighting	CFF	4/29/2020	12	9,744	0.0	9,695.28	0	9,695.28	0	9,695.3	0	
191188		GS < 50		Bluewater Power Distribution Corporation	May-20	\$ 6,885.00	53,922		16.9 Lighting	CFF	12/13/2019	14	53,922	16.9	53,652.39	16.8155	53,652.39	16.8155	53,652.4	16.8155	
203060		GS < 50		Bluewater Power Distribution Corporation	Jun-20	\$ 4,920.00	52,474		12.3 Lighting	CFF	1/23/2020	12	52,474	12.3	52,211.63	12.2385	52,211.63	12.2385	52,211.6	12.2385	
193795		GS < 50		Bluewater Power Distribution Corporation	Jun-20	\$ 1,080.00	12,427		0.0 Exterior Lighting	CFF	6/4/2020	12	12,427	0.0	12,364.87	0	12,364.87	0	12,364.9	0	
185986		IM Gen > 50		Bluewater Power Distribution Corporation	Aug-20	\$ 2,665.00	30,215		0.0 Exterior Lighting	CFF	8/14/2020	12	30,215	0.0	30,063.73	0	30,063.73	0	30,063.7	0	
204575		IM Gen > 50		Bluewater Power Distribution Corporation	Sep-20	\$ 5,928.00	67,777		14.8 LED Tube	CFF	1/21/2020	12	67,777	14.8	67,438.12	14.69615	67,438.12	14.69615	67,438.1	14.69615	
192536		IM Gen > 50		Bluewater Power Distribution Corporation	Mar-20	\$ 19,681.00	393,622		46.1 Lighting	CFF	12/4/2020	8	393,622	46.1	391,653.89	45.8695	391,653.89	45.8695	391,653.9	45.8695	
198213		IM Gen > 50		Bluewater Power Distribution Corporation	Jan-20	\$ 14,240.00	107,256		35.6 Lighting	CFF	12/3/2020	19	107,256	35.6	106,719.72	35.422	106,719.72	35.422	106,719.7	35.422	
						\$ 101,633.00	1,149,166	183.1													
								kW allocation		kW allocation											
IM Gen > 50						837,739	133	72.8%	72.9%												
GS < 50						311,427	50	27.2%	27.1%												
Total						1,149,166	183														

YEAR 1

Application ID	Rate Class	Company Name	Applicant	Lead LDC Name	Incentive	kwh	Average Demand Savings (kW)	Peak Demand savings (kW)	Measure	In-service	Framework	Approval Date of IESO Incentive	EUL (years)	Year 2 kWh	Year 2 kW	Year 3 kWh	Year 3 kW	Year 4 kWh	Year 4 kW	Year 5 kWh	Year 5 kW
601033	Large			Bluewater Power Distribution Corporation	\$ 83,000.00	1,138,000	130	178	Y1 R0-4 Pump	Oct-18	2011-14	Dec-19	10	1,138,000	130	1,138,000	130	1,138,000	130	1,138,000	130
601041	Intermediate			Bluewater Power Distribution Corporation	\$ 12,300.00	358,000	51	na	Y1 Blowers Contro	Jan-18	2011-14	Dec-19	10	358,000	51	358,000	51	358,000	51	358,000	51
					\$ 95,300.00	1,496,000	181														

Remaining Tabs were provided in EB-2020-0005 as:

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These tabs are included for reference to demonstrate the consistent methodology.

		2019 Actual kWh	2019 Actual kW	2020 kWh	2020 kW	2021 kWh	2021 kW	2022 kWh	2022 kW	2023 kWh	2023 kW	2024 kWh	2024 kW	2025 kWh	2025 kW
Retrofit Completed in 2019	GS<50	545,476	87	545,476	87	542,749	87	542,749	87	542,749	87	542,749	87		
	GEN>50	2,481,923	415	2,481,923	415	2,469,513	413	2,469,513	413	2,469,513	413	2,469,513	413		
	Intermediate	620,036	115	620,036	115	616,936	115	616,936	115	616,936	115	616,936	115		
	Large	-	-	-	-	-	-	-	-	-	-	-	-		
	Streetlights	-	-	-	-	-	-	-	-	-	-	-	-		
	TOTAL	3,647,435	618	3,647,435	618	3,629,198	615	3,629,198	615	3,629,198	615	3,629,198	615		
PSUP Completed in 2019	GS<50	0	0	0	0	0	0	0	0	0	0	0	0		
	GEN>50	2,757,000	315	2,757,000	315	2,757,000	315	2,757,000	315	2,757,000	315	2,757,000	315		
	Intermediate	815,000	147	815,000	147	815,000	147	815,000	147	815,000	147	815,000	147		
	Large	289,000	131	289,000	131	289,000	131	289,000	131	289,000	131	289,000	131		
	TOTAL	3,861,000	593	3,861,000	593	3,861,000	593	3,861,000	593	3,861,000	593	3,861,000	593		

not claiming

* above values are gross values.

		2019 Actual kWh	2020 kWh	Realization Rate Net-Gross	2019 Net	2020 Persistence	2020 Savings	2021 Persistence	2021 Savings			
Retrofit Completed in 2019	GS<50	545,476	545,476	103.8%	88.40%	500,524	100.0%	500,524	99.5%	498,021.78	14.96%	
	GEN>50	2,481,923	2,481,923	103.8%	88.40%	2,277,393	100.0%	2,277,393	99.5%	2,266,005.72	68.05%	
	Intermediate	620,036	620,036	103.8%	88.40%	568,940	100.0%	568,940	99.5%	566,095.65	17.00%	
	Large	-	-	103.8%	88.40%	-	-	-	-	-	-	-
	Streetlights	-	-	103.8%	88.40%	-	100.0%	-	99.5%	-	-	-
	TOTAL	3,647,435	3,647,435			3,346,857		3,346,857	99.5%	3,330,123.15	100.00%	
PSUP Completed in 2019	GS<50	0	0		91.30%							
	GEN>50	2,757,000	2,757,000	101.9%	91.30%	2,564,967	100.0%	2,564,967	100.0%	2,564,966.68	71.41%	
	Intermediate	815,000	815,000	101.9%	91.30%	758,233	100.0%	758,233	100.0%	758,232.81	21.11%	
	Large	289,000	289,000	101.9%	91.30%	268,870	100.0%	268,870	100.0%	268,870.28	7.49%	
	TOTAL	3,861,000	3,861,000			3,592,070	100.0%	3,592,070	100.0%	3,592,069.77	100.00%	

	Persistence		
	1st Year	2nd Year	3rd Year
Retrofit	100.00%	100.00%	99.50%
PSUP	100.00%	100.00%	100.00%

	Residential	GS<50	GS>50	Int	Sen Light	St. Light	USL	LU
2019	2019	500,524	4,842,359	1,327,173	-	-	-	268,870
2019	2020	500,524	4,842,359	1,327,173	-	-	-	268,870
2019	2021	498,022	4,830,972	1,324,328	-	-	-	268,870

	2019 Actual kWh	2019 Actual kW	2020 kWh	2020 kW	2021 kWh	2021 kW	2022 kWh	2022 kW	2023 kWh	2023 kW	2024 kWh	2024 kW	2025 kWh	2025 kW
Retrofit Completed in 2019														
GS<50	545,476	87	545,476	87	542,749	87	542,749	87	542,749	87	542,749	87	542,749	87
GEN>50	2,481,923	415	2,481,923	415	2,469,513	413	2,469,513	413	2,469,513	413	2,469,513	413	2,469,513	413
Intermediate	620,036	115	620,036	115	616,936	115	616,936	115	616,936	115	616,936	115	616,936	115
Large														
Streetlights	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	3,647,435	618	3,647,435	618	3,629,198	615								
														not claiming
PSUP Completed in 2019														
GS<50	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GEN>50	2,757,000	315	2,757,000	315	2,757,000	315	2,757,000	315	2,757,000	315	2,757,000	315	2,757,000	315
Intermediate	815,000	147	815,000	147	815,000	147	815,000	147	815,000	147	815,000	147	815,000	147
Large	289,000	131	289,000	131	289,000	131	289,000	131	289,000	131	289,000	131	289,000	131
TOTAL	3,861,000	593	3,861,000	593	3,861,000	593	3,861,000	593	3,861,000	593	3,861,000	593	3,861,000	593

* above values are gross values.

	2019 Actual kW	2020 kWh	Realization Rate Net-Gross	2019 Net	2020 Persistence	2020 Savings	2021 Persistence	2021 Savings	
Retrofit Completed in 2019									
GS<50	87	87	111.3%	88.40%	86	100.0%	86	99.5%	85.61
GEN>50	415	415	111.3%	88.40%	409	100.0%	409	99.5%	406.75
Intermediate	115	115	111.3%	88.40%	114	100.0%	114	99.5%	112.97
Large	-	-	111.3%	88.40%	-	-	-	-	-
Streetlights	-	-	111.3%	88.40%	-	-	-	-	-
TOTAL	618	618			608	100.0%	608	99.5%	605.33
									100.00%
PSUP Completed in 2019									
GS<50	0	0	158.4%	91.30%					
GEN>50	315	315	158.4%	91.30%	456	100.0%	456	100.0%	455.55
Intermediate	147	147	158.4%	91.30%	213	100.0%	213	100.0%	212.59
Large	131	131	158.4%	91.30%	189	100.0%	189	100.0%	189.45
TOTAL	593	593			858	100.0%	858	100.0%	857.59
									100.00%

	Persistence		
	1st Year	2nd Year	3rd Year
Retrofit	100.00%	100.00%	99.50%
PSUP	100.00%	100.00%	100.00%

	Residential	GS<50	GS>50	Int	Sen Light	St. Light	USL	LU
2019	2019		86	864	326	-	-	189
2019	2020		86	864	326	-	-	189
2019	2021		86	862	326	-	-	189

Application ID	Rate Class	Company Name	Applicant	In Service	Lead DDC Name	Incentive	kwh	kw	Measure	EUL (years)	2019 savings											
											2020		2021		2022		2023		2024			
											year 1 kwh	year 1 kw	year 2 kwh	Year 2 kw	year 3 kwh	Year 3 kw	year 4 kwh	year 4 kw	year 5 kwh	year 5 kw	year 6 kwh	year 6 kw
157749	GEN>50				Jan-19	Bluewater Power Distribution Corporation	\$8,184.00	6,936.00	7.0 A/C	13.8	6,936.00	7.0	6,936.00	7.0	6,901.32	6.93	6,901.32	6.9252	6,901.32	6.9252	6,901.32	6.9252
173968	GEN>50				Jan-19	Bluewater Power Distribution Corporation	\$9,547.83	84,752.00	15.1 lighting	13	84,752.00	15.1	84,752.00	15.1	84,328.24	14.99	84,328.24	14.99465	84,328.24	14.99465	84,328.24	14.99465
173974	GEN>50				Jan-19	Bluewater Power Distribution Corporation	\$3,662.80	36,505.00	5.5 lighting	13	36,505.00	5.5	36,505.00	5.5	36,322.48	5.47	36,322.48	5.4725	36,322.48	5.4725	36,322.48	5.4725
174231	GEN>50				Jan-19	Bluewater Power Distribution Corporation	\$22,980.95	193,605.00	33.1 lighting	13	193,605.00	33.1	193,605.00	33.1	192,636.98	32.93	192,636.98	32.9345	192,636.98	32.9345	192,636.98	32.9345
179345	GEN>50				Jan-19	Bluewater Power Distribution Corporation	\$10,661.00	84,641.00	14.4 lighting	13	84,641.00	14.4	84,641.00	14.4	84,217.80	14.33	84,217.80	14.328	84,217.80	14.328	84,217.80	14.328
179345	GEN>50				Jan-19	Bluewater Power Distribution Corporation	\$750.00	8,232.00	0.0 exterior	13	8,232.00	0.0	8,232.00	0.0	8,190.84	0.00	8,190.84	0.00	8,190.84	0.00	8,190.84	0.00
179354	GEN>50				Jan-19	Bluewater Power Distribution Corporation	\$8,948.00	70,244.00	12.0 lighting	13	70,244.00	12.0	70,244.00	12.0	69,892.78	11.89	69,892.78	11.89025	69,892.78	11.89025	69,892.78	11.89025
179354	GEN>50				Jan-19	Bluewater Power Distribution Corporation	\$500.00	5,460.00	0.0 exterior	13	5,460.00	0.0	5,460.00	0.0	5,432.70	0.00	5,432.70	0.00	5,432.70	0.00	5,432.70	0.00
179364	GEN>50				Jan-19	Bluewater Power Distribution Corporation	\$9,373.00	73,747.00	13.1 lighting	13	73,747.00	13.1	73,747.00	13.1	73,378.27	13.00	73,378.27	13.00465	73,378.27	13.00465	73,378.27	13.00465
179364	GEN>50				Jan-19	Bluewater Power Distribution Corporation	\$650.00	7,211.00	0.0 exterior	13	7,211.00	0.0	7,211.00	0.0	7,174.95	0.00	7,174.95	0.00	7,174.95	0.00	7,174.95	0.00
179368	GEN>50				Jan-19	Bluewater Power Distribution Corporation	\$8,777.00	71,540.00	12.8 lighting	13	71,540.00	12.8	71,540.00	12.8	71,182.30	12.73	71,182.30	12.72605	71,182.30	12.72605	71,182.30	12.72605
179368	GEN>50				Jan-19	Bluewater Power Distribution Corporation	\$450.00	4,914.00	0.0 exterior	13	4,914.00	0.0	4,914.00	0.0	4,889.43	0.00	4,889.43	0.00	4,889.43	0.00	4,889.43	0.00
179370	GEN>50				Jan-19	Bluewater Power Distribution Corporation	\$8,175.00	66,421.00	11.8 lighting	13	66,421.00	11.8	66,421.00	11.8	66,088.90	11.69	66,088.90	11.69125	66,088.90	11.69125	66,088.90	11.69125
179370	GEN>50				Jan-19	Bluewater Power Distribution Corporation	\$400.00	4,368.00	0.0 exterior	13	4,368.00	0.0	4,368.00	0.0	4,346.16	0.00	4,346.16	0.00	4,346.16	0.00	4,346.16	0.00
183915	GEN>50				Jan-19	Bluewater Power Distribution Corporation	\$15,843.20	131,109.00	18.7 lighting	13	131,109.00	18.7	131,109.00	18.7	130,453.46	18.61	130,453.46	18.6065	130,453.46	18.6065	130,453.46	18.6065
179330	GEN>50				Feb-19	Bluewater Power Distribution Corporation	\$24,763.00	181,363.00	35.8 lighting	13	181,363.00	35.8	181,363.00	35.8	180,456.19	35.62	180,456.19	35.621	180,456.19	35.621	180,456.19	35.621
179330	GEN>50				Feb-19	Bluewater Power Distribution Corporation	\$2,900.00	31,752.00	0.0 exterior	13	31,752.00	0.0	31,752.00	0.0	31,593.24	0.00	31,593.24	0.00	31,593.24	0.00	31,593.24	0.00
179373	GEN>50				Feb-19	Bluewater Power Distribution Corporation	\$17,772.00	59,889.00	11.2 lighting	13	59,889.00	11.2	59,889.00	11.2	59,589.56	11.14	59,589.56	11.144	59,589.56	11.144	59,589.56	11.144
179373	GEN>50				Feb-19	Bluewater Power Distribution Corporation	\$500.00	5,611.00	0 exterior	13	5,611.00	0.0	5,611.00	0.0	5,582.95	0.00	5,582.95	0.00	5,582.95	0.00	5,582.95	0.00
190254	GEN>50				Feb-19	Bluewater Power Distribution Corporation	\$8,493.00	57,294.00	11.5 lighting	13	57,294.00	11.5	57,294.00	11.5	57,007.53	11.44	57,007.53	11.4425	57,007.53	11.4425	57,007.53	11.4425
190262	GEN>50				Feb-19	Bluewater Power Distribution Corporation	\$249.74	4,994.00	0 lighting	13	4,994.00	0.0	4,994.00	0.0	4,969.03	0.00	4,969.03	0.00	4,969.03	0.00	4,969.03	0.00
194452	GEN>50				Feb-19	Bluewater Power Distribution Corporation	\$18,460.00	123,962.00	43 lighting	13	123,962.00	43	123,962.00	43	123,342.19	42.79	123,342.19	42.785	123,342.19	42.785	123,342.19	42.785
164954	GEN>50				Mar-19	Bluewater Power Distribution Corporation	\$560.00	1,504.99	0.33 lighting	13	1,504.99	0.33	1,497.47	0.33	1,497.47	0.33	1,497.47	0.325962	1,497.47	0.325962	1,497.47	0.325962
165232	GEN>50				Mar-19	Bluewater Power Distribution Corporation	\$738.00	2,092.00	0.5 lighting	13	2,092.00	0.5	2,092.00	0.5	2,081.54	0.50	2,081.54	0.4975	2,081.54	0.4975	2,081.54	0.4975
179335	GEN>50				Mar-19	Bluewater Power Distribution Corporation	\$37,444.00	275,889.00	53.9 lighting	13	275,889.00	53.9	275,889.00	53.9	274,509.56	53.63	274,509.56	53.6305	274,509.56	53.6305	274,509.56	53.6305
179335	GEN>50				Mar-19	Bluewater Power Distribution Corporation	\$2,050.00	22,835.00	0 exterior	13	22,835.00	0.0	22,835.00	0.0	22,720.83	0.00	22,720.83	0.00	22,720.83	0.00	22,720.83	0.00
191019	GEN>50				Mar-19	Bluewater Power Distribution Corporation	\$900.00	9,996.00	0 exterior	13	9,996.00	0.0	9,996.00	0.0	9,946.02	0.00	9,946.02	0.00	9,946.02	0.00	9,946.02	0.00
191019	GEN>50				Mar-19	Bluewater Power Distribution Corporation	\$5,319.39	79,806.00	3.2 lighting	13	79,806.00	3.2	79,806.00	3.2	79,406.97	3.18	79,406.97	3.184	79,406.97	3.184	79,406.97	3.184
194281	GEN>50				Mar-19	Bluewater Power Distribution Corporation	\$1,636.00	11,958.00	1.73 lighting	13	11,958.00	1.73	11,958.00	1.73	11,898.21	1.72	11,898.21	1.72135	11,898.21	1.72135	11,898.21	1.72135
194281	GEN>50				Mar-19	Bluewater Power Distribution Corporation	\$9,425.00	104,151.00	0 exterior	13	104,151.00	0.0	104,151.00	0.0	103,630.25	0.00	103,630.25	0.00	103,630.25	0.00	103,630.25	0.00
200747	GEN>50				Mar-19	Bluewater Power Distribution Corporation	\$10,168.00	111,176.00	23.7 lighting	13	111,176.00	23.7	111,176.00	23.7	110,620.12	23.58	110,620.12	23.5815	110,620.12	23.5815	110,620.12	23.5815
205687	GEN>50				Apr-19	Bluewater Power Distribution Corporation	\$1,018.07	7636	1.9 lighting	13	7636	1.9	7636	1.9	7,597.82	1.89	7,597.82	1.8905	7,597.82	1.8905	7,597.82	1.8905
183285	GEN>50				Apr-19	Bluewater Power Distribution Corporation	\$11,810.00	39271	6.96 lighting	13	39271	6.96	39271	6.96	39,074.65	6.93	39,074.65	6.9252	39,074.65	6.9252	39,074.65	6.9252
202110	GEN>50				May-19	Bluewater Power Distribution Corporation	\$70.00	6522	0 exterior	13	6522	0.0	6522	0.0	6,489.39	0.00	6,489.39	0.00	6,489.39	0.00	6,489.39	0.00
187584	GEN>50				May-19	Bluewater Power Distribution Corporation	\$2,829.00	25942	4.9 lighting	13	25942	4.9	25942	4.9	25,812.29	4.88	25,812.29	4.8755	25,812.29	4.8755	25,812.29	4.8755
205226	GEN>50				Aug-19	Bluewater Power Distribution Corporation	\$18,200.00	188814	32.8 lighting	13	188814	32.8	188814	32.8	187,869.93	32.64	187,869.93	32.636	187,869.93	32.636	187,869.93	32.636
177219	GEN>50				Aug-19	Bluewater Power Distribution Corporation	\$1,801.80	28804	6.3 re-lamp	13	28804	6.3	28,659.98	6.27	28,659.98	6.2685	28,659.98	6.2685	28,659.98	6.2685	28,659.98	6.2685
198403	GEN>50				Aug-19	Bluewater Power Distribution Corporation	\$1,500.00	4299	0.9 lighting	13	4299	0.9	4299	0.9	4,277.51	0.90	4,277.51	0.8955	4,277.51	0.8955	4,277.51	0.8955
162399	GEN>50				Dec-19	Bluewater Power Distribution Corporation	\$522.00	3466	0 exterior	13	3466	0.0	3466	0.0	3,448.67	0.00	3,448.67	0.00	3,448.67	0.00	3,448.67	0.00
169359	GEN>50				Dec-19	Bluewater Power Distribution Corporation	\$725.00	8332	0 exterior	13	8332	0.0	8332	0.0	8,290.34	0.00	8,290.34	0.00	8,290.34	0.00	8,290.34	0.00
169357	GEN>50				Dec-19	Bluewater Power Distribution Corporation	\$935.00	10831	0 exterior	13	10831	0.0	10831	0.0	10,776.85	0.00	10,776.85	0.00	10,776.85	0.00	10,776.85	0.00
162392	GEN>50				Dec-19	Bluewater Power Distribution Corporation	\$55.50	3978	0 exterior	13	3978	0.0	3978	0.0	3,958.11	0.00	3,958.11	0.00	3,958.11	0.00	3,958.11	0.00
205850	GEN>50				Mar-19	Bluewater Power Distribution Corporation	\$1,480.00	19,969.00	3.70 lighting	13	19,969.00	3.70	19,969.00	3.70	19,869.16	3.68	19,869.16	3.6815	19,869.16	3.6815	19,869.16	3.6815
183302	GEN>50				Jun-19	Bluewater Power Distribution Corporation	\$7,493.00	74930	3.1 non lighting	13	74930	3.1	74930	3.1	74,555.35	3.08	74,555.35	3.0845	74,555.35	3.0845	74,555.35	3.0845
191231	GEN>50				Aug-19	Bluewater Power Distribution Corporation	\$13,621.41	120825	26.78 lighting	13	120825	26.78	120,220.88	26.65	120,220.88	26.65	120,220.88	26.6461	120,220.88	26.6461	120,220.88	26.6461
202907	GEN>50 Total				Sep-19	Bluewater Power Distr	\$2,160.00	4,346.40	0 refrigerators	13	4346	0.0										

205329	GS<50	Bluewater Power	1,120.00	14,600.00	2.8	lighting	14,600.00	2.8	14,600.00	2.8	14,527.00	2.79	14,527.00	2.786	14,527.00	2.786	14,527.00	2.786	
205387	GS<50	Distribution Corporation	3,503.20	14230	2.9	lighting	14230	2.9	14230	2.9	14,158.85	2.89	14,158.85	2.8855	14,158.85	2.8855	14,158.85	2.8855	
205782	GS<50	Bluewater Power	500.00	1433	0.3	lighting	1433	0.3	1433	0.3	1,425.84	0.30	1,425.84	0.2985	1,425.84	0.2985	1,425.84	0.2985	
162398	GS<50	Bluewater Power	442.20	2964	0	exterior	2964	0	2964	0	2,949.18	0.00	2,949.18	0	2,949.18	0	2,949.18	0	
174965	GS<50	Bluewater Power	1,050.00	9647	2.1	re-lamp	9647	2.1	9647	2.1	9,598.77	2.09	9,598.77	2.0895	9,598.77	2.0895	9,598.77	2.0895	
174962	GS<50	Distribution Corporation	700.00	6431	1.4	re-lamp	6431	1.4	6431	1.4	6,398.85	1.39	6,398.85	1.393	6,398.85	1.393	6,398.85	1.393	
190889	GS<50	Bluewater Power	1,759.50	11006	2.4	re-lamp	11006	2.4	11006	2.4	10,950.97	2.39	10,950.97	2.388	10,950.97	2.388	10,950.97	2.388	
191863	GS<50	Bluewater Power	5,840.00	16554	3.6	lighting	16554	3.6	16554	3.6	16,471.23	3.58	16,471.23	3.582	16,471.23	3.582	16,471.23	3.582	
186141	GS<50	Distribution Corporation	3,520.00	52141	5.6	lighting	52141	5.6	52141	5.6	51,880.30	5.57	51,880.30	5.572	51,880.30	5.572	51,880.30	5.572	
206291	GS<50	Bluewater Power Distr	\$735.00	2,747.21	0.6	lighting	2,747.21	0.6	2,747.21	0.6	2,733.47	0.60	2,733.47	0.597	2,733.47	0.597	2,733.47	0.597	
201108	GS<50	Bluewater Power Distr	\$ 15,136.00	172,958.00	19.74	VFD	172,958	19.74	172,958	19.74	172,093.21	19.64	172,093.21	19.6413	172,093.21	19.6413	172,093.21	19.6413	
	GS<50 Total		\$ 69,705.90	545,475.99	87.448		545,475.986	87.448	545,475.986	87.448	542,748.61	87.01	542,748.61	87.01076	542,748.61	87.01076	542,748.61	87.01076	
197730	Intermediate	Bluewater Power	\$18,245.00	121,000.00	25.7	VFD	13	121,000.00	25.7	121,000.00	25.7	120,395.00	25.57	120,395.00	25.5715	120,395.00	25.5715	120,395.00	25.5715
205876	Intermediate	Distribution Corporation	\$666.00	1,959.00	0.4	lighting	13	1,959.00	0.4	1,959.00	0.4	1,949.21	0.40	1,949.21	0.398	1,949.21	0.398	1,949.21	0.398
174339	Intermediate	Bluewater Power	1,600.00	18680	4.4	lighting	18680	4.4	18680	4.4	18,586.60	4.38	18,586.60	4.378	18,586.60	4.378	18,586.60	4.378	
171755	Intermediate	Distribution Corporation	5,000.00	68195	0	exterior	68195	0	68195	0	67,854.03	0.00	67,854.03	0	67,854.03	0	67,854.03	0	
199013	Intermediate	Bluewater Power	\$ 5,410.00	90,384.00	0	exterior	90384	0	90384	0	89,932.08	0.00	89,932.08	0	89,932.08	0	89,932.08	0	
184446	Intermediate	Bluewater Power Distr	\$33,000.00	319,818.30	84.9	lighting	319818.3	84.9	319818.3	84.9	318,219.21	84.48	318,219.21	84.4755	318,219.21	84.4755	318,219.21	84.4755	
	Intermediate Total		30921	620,036.30	115.4		620036.3	115.4	620036.3	115.4	616,936.12	114.82	616,936.12	114.823	616,936.12	114.823	616,936.12	114.823	
Grand Total			\$403,948.59	3,647,435.68	618.3356		3,647,435.28	618.3356	3,647,435.28	618.3356	3,629,198.10	615.24	3,629,198.10	615.2439	3,629,198.10	615.2439	3,629,198.10	615.2439	

Application ID	Rate Class	Company Name	Applicant	Lead LDC Name	Incentive	kwh	kw	Measure	EUL	year 1 kwh	year 1 kw	year 2 kwh	Year 2 kw	year 3 kwh	Year 3 kw	year 4 kwh	year 4 kw	year 5 kwh	year 5 kw	year 6 kwh	year 6 kw
601443	GEN			Bluewater Power Distribution Corporation	426,400	2,757,000	315	Y1 CHP	20 years	2,757,000	315	2,757,000	315	2,757,000	315	2,757,000	315	2,757,000	315	2,757,000	315
601041	Intermediate			Bluewater Power Distribution Corporation	59,300	156,000	72	Q1 Blower Controls	10 years	156,000	72	156,000	72	156,000	72	156,000	72	156,000	72	156,000	72
601274	Intermediate			Bluewater Power Distribution Corporation	6,375	659,000	75	Y1 High Lift VFD	10 years	659,000	75	659,000	75	659,000	75	659,000	75	659,000	75	659,000	75
601033	Large			Bluewater Power Distribution Corporation	83,000	289,000	131	Q1 R0-4 Pump	10 years	289,000	131	289,000	131	289,000	131	289,000	131	289,000	131	289,000	131
Total						3,861,000	593			3,861,000	593	3,861,000	593	3,861,000	593	3,861,000	593	3,861,000	593	3,861,000	593

Attachment 5.e

Customer 1 M&V

1st Annual Measurement & Verification Report

[REDACTED]

[REDACTED]

Implementation

Wednesday, December 04, 2019

PROJECT ID: Bluewater-[REDACTED]

PREPARED FOR:

Bluewater Power Distribution Corporation
855 Confederation Street, Sarnia ON N7T 7L6

PREPARED BY:

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Revision History

Date	Name/Description	Revision	Author
December 4, 2019	Initial M&V Report issuance	0	[REDACTED] P.Eng., CMVP, CEM

Approvals

Name	Title	Signature	Date
[REDACTED], P.Eng., CMVP, CEM	Energy Engineer	[REDACTED]	December 4, 2019

1. Executive Summary

The Electricity Savings for the 1st Annual Reporting Period of October 4, 2018 to October 3, 2019, are 1,138 MWh, which represents 137% of the Anticipated Electricity Savings.

The Electricity Savings meet the 80% performance threshold required by the Program Rules.

2. Project Overview

2.1. Baseline Energy and Anticipated Electricity Savings

The Baseline Energy and the Anticipated Electricity Savings are obtained from the M&V Plan, Rev. 0 dated November 2, 2015, and are presented in Table 1.

Table 1. Baseline Energy and Anticipated Electricity Savings

Description	Value	Unit
Baseline Energy	3,366	MWh/year
Anticipated Electricity Savings	830	MWh/year

This M&V Report assesses the actual Electricity Savings based on raw data provided by the Participant and the methodology described in the M&V Plan. This is an IPMVP Option B methodology of calculating the Electricity Savings.

This M&V Report calculates the actual Electricity Savings divided by the Anticipated Electricity Savings, to verify that the Project has achieved the required 80% of the Anticipated Electricity Savings.

2.2. In-Service Date and Previous Reporting Period

The In-Service Date is October 4, 2018, which was established on December 3, 2018.

The 1st Quarterly Reporting Period is from October 4, 2018, to January 3, 2019.

2.3. Current Reporting Period

The 1st Annual Reporting Period is from October 4, 2018 to October 3, 2019, which represents 365 days (8,760 hours).

3. Reporting Period Energy

[REDACTED] from Bluewater Power provided the raw data to the CMVP for analysis. The raw data includes VFD power, VFD frequency, and flow rate.

Table 2 presents an overview of the data analysis related to the Reporting Period Energy and hours of operation.

Table 2. Reporting Period Hours, Duration, and Hours of Operation

Description	Value	Unit	Comments
Reporting Period Start	October 4, 2018, 00:00		
Reporting Period End	October 3, 2019, 23:59		
Reporting Period Duration	8,760	hours	
Available Data	8,590	hours	
Missing Data	170	hours	2% of the Reporting Period.
Hours of Operation	8,333	hours	95% of the Reporting Period Duration.

VFD power data was missing for 8 hours on December 11, 2018, 17 hours on February 7, 130 hours from May 7 to 13, and a total of 15 hours in June 2019. These 170 hours of missing data have been removed from the Reporting Period and the adjustment of the Baseline.

The energy consumption of the System for this Reporting Period is presented in Table 3.

Table 3. Reporting Period Energy

Description	Value	Unit	Comment
Reporting Period Energy	2,078	MWh	Sum of hourly pump power.
Reporting Period Uncertainty	± 2.5%		The Uncertainty is primarily due to the accuracy of the meters.
Reporting Period Average Demand	237	kW	Reporting Period Energy / Reporting Period duration.

4. Electricity Savings

4.1. Adjusted Baseline Energy Calculation

As defined in the M&V Plan, the Baseline Energy was adjusted to operating conditions of the Reporting Period, as shown in Table 4.

Table 4. Adjusted Baseline Energy

Description	Value	Unit	Comment
Reporting Period Hours of Operation	8,333	hours	There were 170 hours of missing data during the Reporting Period.
Adjusted Baseline Energy	3,216	MWh	As per M&V Plan, 3,366 MWh × Reporting Period Hours of Operation / 8,722 h

4.2. Results

The Electricity Savings are calculated according to the following formula:

$$\text{Electricity Savings} = \text{Adjusted Baseline Energy} - \text{Reporting Period Energy} \pm \text{Non-Routine Adjustment}$$

Since there has been no change in the Static Factors as defined in the M&V Plan Section B.5.1, Non-Routine Adjustments are not required for this Reporting Period. The Reporting Period Energy, Adjusted Baseline Energy, and the Electricity Savings are presented in Table 5.

Table 5. Calculation of Electricity Savings

Description	Value	Unit	Comment
Adjusted Baseline Energy	3,216	MWh	Obtained from Table 4.
Reporting Period Energy	2,078	MWh	Obtained from Table 3.
Non-Routine Adjustment	0	MWh	None.
Electricity Savings	1,138	MWh	
Uncertainty of the Electricity Savings	± 12%		The Uncertainty is a combination of the Baseline uncertainty (± 4.1%) and the Reporting Period uncertainty (± 2.5%).
Anticipated Electricity Savings	830	MWh	Obtained from Table 1.
Electricity Savings as a Percentage of Anticipated Electricity Savings	137%		
Average Demand Savings	130	kW	
Peak Demand Savings	178	kW	

4.3. Conclusion

The Electricity Savings are 1,138 MWh and represent 137% of the Anticipated Electricity Savings.

The main reason for the over-performance is lower pump power consumption compared to what was estimated in the Project Review.

4.4. Next Reporting Period and Next Steps

This is the final M&V Report, as the M&V Reporting Period is one year.

4.5. Electricity Savings to Date

The Electricity Savings to date are presented in Table 6.

Table 6. Electricity Savings to Date

Reporting Period	Start and End Dates	Electricity Savings		
		MWh	% of Anticipated Savings Value ¹	Cost Savings (\$) ²
1 st Quarterly	Oct. 4, 2018 to Jan. 3, 2019	289	138%	\$28,000
1 st Annual	Oct. 4, 2018 to Oct. 3, 2019	1,138	137%	\$110,300

¹ Percent of Anticipated Electricity Savings defined in the M&V Plan.

² Based on \$97/MWh obtained from the Project Review.

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IPMVP defined terms:

Adjusted Baseline Energy, Avoided Energy Use, Baseline Energy, Baseline Period, Confidence Level, Interactive Effects, M&V, Measurement Boundary, Non-Routine Adjustments, Precision, Reporting Period, Reporting Period Energy, Savings, Static Factors, Uncertainty.

Attachment 5.f
Customer 2 M&V

M&V Report

1st Annual Report

January 15, 2018 – October 23, 2019

Project ID: Bluewater [REDACTED]

December 18, 2019

Revision 0

Prepared for:

Bluewater Power Distribution Corporation (the LDC)

[REDACTED] (the Participant)

Prepared by:

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IPMVP defined terms:

Adjusted Baseline Energy, Avoided Energy Use, Baseline Energy, Baseline Period, Confidence Level, Interactive Effects, M&V, Measurement Boundary, Non-Routine Adjustments, Precision, Reporting Period, Reporting Period Energy, Savings, Static Factors, Uncertainty.

Revision History

Date	Name/Description	Revision	Author
December 18, 2019	First Issuance	0	[REDACTED], P.Eng., M.A.Sc., CEM

Approvals

Name	Title	Signature	Date
[REDACTED], P.Eng., CEM, CMVP	Engineering Manager	[REDACTED]	December 18, 2019

1. Executive Summary

The Electricity Savings for the M&V Reporting Period of January 15, 2018 to October 23, 2019 are 358 MWh, which represent 60% of the Anticipated Electricity Savings.

The Electricity Savings do not meet the 80% performance threshold defined by the Program Rules.

2. Project Overview

2.1. Baseline Energy and Anticipated Electricity Savings

The annual Baseline Energy and the Anticipated Electricity Savings are obtained from the M&V Plan Rev. 0, dated July 29, 2016, and are presented in Table 1.

Table 1. Annual Baseline Energy and Anticipated Electricity Savings from the M&V Plan

Description	Value	Unit
Baseline Energy	10,727	MWh/year
Anticipated Electricity Savings	593	MWh/year

This M&V Report assesses the actual Electricity Savings based on raw data provided by the Participant and the methodology described in the M&V Plan.

This M&V Report calculates the actual Electricity Savings divided by the Anticipated Electricity Savings, to verify whether the Project has achieved the required 80% of the Anticipated Electricity Savings.

2.2. In-Service Date

The In-Service Date is January 15, 2018, and it was established on July 12, 2018.

2.3. Current Reporting Period

The 1st Annual Reporting Period is from January 15, 2018 to October 23, 2019. This Reporting Period represents 647 days, or 15,528 hours. It should be noted that spontaneous timeframes of data between January 15, 2018 and October 23, 2019 were used to evaluate the performance of the System during the 1st Annual Reporting Period. The reason for extending the 1st Annual Reporting Period to approximately 9 months is due to the large amount of missing data between January 15, 2018 and January 14, 2019.

3. Reporting Period Energy

3.1. Raw Data

██████████ from Bluewater Power (the LDC), provided the raw process data to the CMVP for analysis.

Table 2 presents an overview of the data analysis related to the duration of the Reporting Period and equipment hours of operation. This is an IPMVP Option B methodology of calculating the Electricity Savings.

Table 2. Reporting Period Hours and missing data

Description	Value	Unit	Comments
Reporting Period Start	January 15, 2018 0:00		Start date of the Reporting Period.
Reporting Period End	October 23, 2019 23:00		End date of the Reporting Period.
Reporting Period Duration	15,528	hours	
Available Meter Data	7,114	hours	46% of the Reporting Period Duration.
Hours of Operation	7,021	hours	99% of the Available Meter Data.
Missing Data	1,647	hours	11% of the Reporting Period Duration.

3.2. Reporting Period Energy

The Reporting Period Energy is shown in Table 3 below.

Table 3. Reporting Period Energy

Description	Value	Unit	Comment
Reporting Period Energy	11,618	MWh	Sum of measured blower power data, pro-rated to account for missing data.
Uncertainty	± 2%		Based on presumed blower power meter specifications.

4. Electricity Savings

4.1. Results

The Electricity Savings are calculated according to the following formula:

$$\text{Electricity Savings} = \text{Adjusted Baseline Energy} - \text{Reporting Period Energy} \pm \text{Non-Routine Adjustments}$$

Note that the regression analysis used to obtain the Adjusted Baseline Energy was based on 80 days of measurements, which ranged from 18,872 cfm to 47,590 cfm. The 1st Annual Reporting Period measurements ranged from 0 cfm to 52,763 cfm. Although these minimum and peak values are beyond the range of regression, extrapolating the regression formula is unlikely to introduce any significant errors in estimating power since the correlation of air flow to blower power is highly linear throughout a blower's operating range under typical control strategies.

Also, extrapolating the maximum flow by no more than 10% and the minimum flow by no less than 10% is considered acceptable.¹ This statement satisfies the peak (i.e. 52,763 is approximately 10% more than 47,590 cfm). However, the lesser values down to 0 cfm should not be an issue considering flow data in this Reporting Period is only below 18,872 cfm for approximately 201 hours (i.e. 3% of the Hours of Operation).

As there have been no changes in the Static Factors as defined in the M&V Plan Section B.5.3, Non-Routine Adjustments are not required for this Reporting Period. The results are presented in Table 4.

Table 4. Calculation of Electricity Savings

Description	Value	Unit	Comment
Baseline Energy	10,727	MWh	Obtained from Table 1.
Adjusted Baseline Energy	11,976	MWh	From regression equation in the M&V Plan, based on the flow of the Reporting Period.
Reporting Period Energy	11,618	MWh	Obtained from Table 3.
Non-Routine Adjustments	0	MWh	None.
Electricity Savings	358	MWh	Adjusted Baseline Energy – Reporting Period Energy – Non-Routine Adjustments.
Electricity Savings Uncertainty	± 176%		From the Baseline Energy uncertainty (± 5%) and the Reporting Period Energy uncertainty (± 2.0%).
Anticipated Electricity Savings	593	MWh	Obtained from Table 1.
Electricity Savings as a Percentage of Anticipated Electricity Savings	60%		Does not meet the required 80% performance threshold as per the Program Rules.
Average Demand Savings over the Reporting Period	51	kW	Electricity Savings ÷ Hours of operation.
Summer Peak Demand Savings	N/A	kW	As a result of the sporadic intervals of data used for this Reporting Period, Summer Peak Demand Savings cannot be reported with certainty.

4.2. Conclusion

The Electricity Savings are 358 MWh and represent 60% of the Anticipated Electricity Savings for the Reporting Period. The Electricity Savings do not meet the 80% threshold of the Anticipated Electricity Savings set in the M&V Plan.

The reasoning for the low level of Electricity Savings in this Reporting Period is likely due to the following:

- The blowers provide less airflow than they did in the 1st Quarterly Reporting Period. As a result, the adjusted baseline is reduced. Also, the electricity consumption of the blowers does not vary significantly between the 1st Quarterly Reporting Period and this 1st Annual Reporting Period. Therefore, electricity savings are reduced between these two reporting periods.

¹ ASRAE Standards Committee, June 22, 2002, ASHRAE Guideline 14-2002: Measurement of Energy and Demand Savings

- Since the Electricity Savings are only 3.0% of the Adjusted Baseline Energy, it is expected that their uncertainty would be extremely high. This is displayed in Table 4. As a result of the Electricity Savings being relatively small compared to the Baseline consumption, a small change in the System can result in significant changes to the Electricity Savings, hence the aforementioned high level of uncertainty.

It should be noted that as a result of an error in the Participant's metering system, the data is spontaneously missing significant timeframes within the 1st Annual Reporting Period. As a result, various timeframes of data between January 15, 2018 and October 23, 2019 were used to evaluate the performance of the System during the 1st Annual Reporting Period. This approach was deemed acceptable given the relatively consistent nature of operation of the System, as displayed by Figure 1.

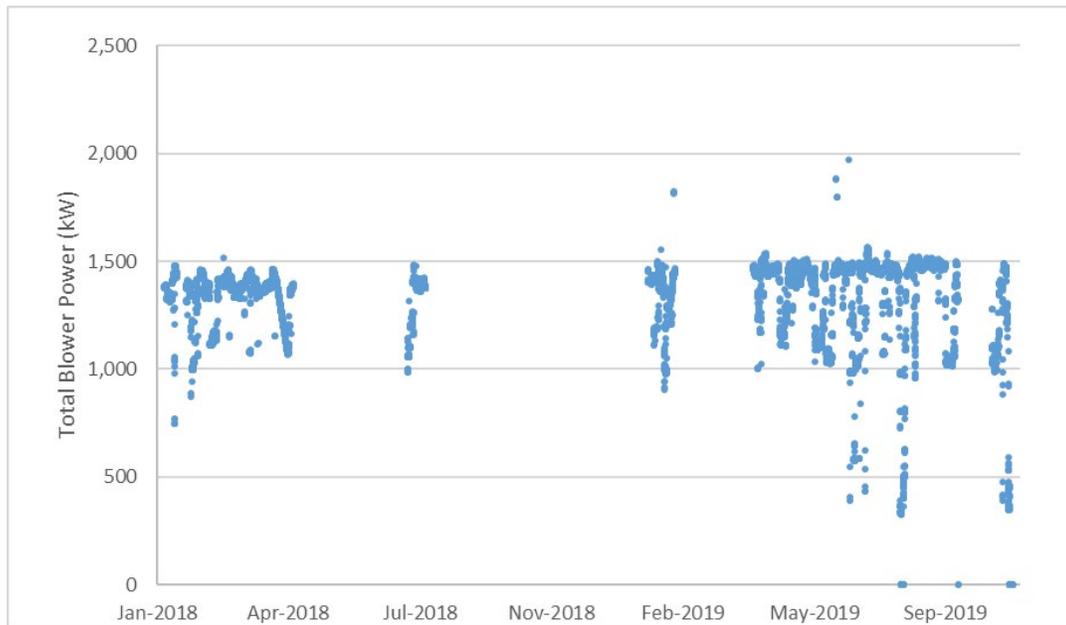


Figure 1: Total Blower Power

4.3. Next Steps

This is the final M&V Report, as the M&V Reporting Period is one year in duration.

4.4. Electricity Savings to Date

The Electricity Savings to date are presented in Table 6.

Table 6. Electricity Savings to Date

Reporting Period	Start and End Dates	Electricity Savings		
		MWh	% of Contract Savings Value ²	Cost Savings (\$) ³
1 st Quarterly	January 15, 2018 – April 15, 2018	156	106%	\$17,670
1 st Annual	January 15, 2018 – October 23, 2019	358	60%	\$40,481

² Percent of Anticipated Electricity Savings defined in the M&V Plan

³ Based on the Electricity Billing Rate of \$113/MWh obtained from the Project Review

Attachment 6

Proposed 2022 Rates and Tariffs

Bluewater Power Distribution Corporation

TARIFF OF RATES AND CHARGES

Effective and Implementation Date May 1, 2022

This schedule supersedes and replaces all previously approved schedules of Rates, Charges and Loss Factors

EB-2021-0008

RESIDENTIAL SERVICE CLASSIFICATION

All service supplied to single-family dwelling units for domestic or household purposes shall be classed as residential service. Where electricity service is provided for combined residential and business purposes (including agricultural usage) and the wiring does not provide for separate metering, the classification shall be in the discretion of Bluewater Power Distribution Corporation ("Bluewater Power") and shall be based on such considerations as the estimated predominant consumption or the municipal tax roll classification. A residential customer may be found in a detached, semi-detached, linear row housing, apartment building or mixed-use building. Where more than one dwelling is served by a single meter, that service shall be considered a General Service Customer. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, which may be applicable to the administration of this schedule.

No rates and charges for the distribution of electricity and charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule, unless required by the Distributor's Licence or a Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, or as specified herein.

Unless specifically noted, this schedule does not contain any charges for the electricity commodity, be it under the Regulated Price Plan, a contract with a retailer or the wholesale market price, as applicable. In addition, the charges in the MONTHLY RATES AND CHARGES - Regulatory Component of this schedule do not apply to a customer that is an embedded wholesale market participant.

It should be noted that this schedule does not list any charges, assessments, or credits that are required by law to be invoiced by a distributor and that are not subject to Ontario Energy Board approval, such as the Global Adjustment and the HST.

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	33.81
Smart Metering Entity Charge - effective until December 31, 2022	\$	0.57
Low Voltage Service Rate	\$/kWh	0.0002
Rate Rider for Disposition of Global Adjustment Account (2022) - effective until April 30, 2023 Applicable only for Non-RPP Customers	\$/kWh	0.0044
Rate Rider for Disposition of Deferral/Variance Accounts (2022) - effective until April 30, 2023	\$/kWh	(0.0004)
Rate Rider for Disposition of Capacity Based Recovery Account (2022) - effective until April 30, 2023 Applicable only for Class B Customers	\$/kWh	(0.0002)
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0087
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0070

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0030
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

Bluewater Power Distribution Corporation

TARIFF OF RATES AND CHARGES

Effective and Implementation Date May 1, 2022

This schedule supersedes and replaces all previously approved schedules of Rates, Charges and Loss Factors

EB-2021-0008

GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION

This classification applies to a customer not designated as Residential, and that over a twelve month period has, or a new customer forecast to have, an average monthly peak demand less than 50 kW, and has a monthly peak demand that never exceeds 100 kW. Bluewater Power shall review this rate class designation on an annual basis and the customer's designated rate class may change as a result. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, which may be applicable to the administration of this schedule.

No rates and charges for the distribution of electricity and charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule, unless required by the Distributor's Licence or a Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, or as specified herein.

Unless specifically noted, this schedule does not contain any charges for the electricity commodity, be it under the Regulated Price Plan, a contract with a retailer or the wholesale market price, as applicable. In addition, the charges in the MONTHLY RATES AND CHARGES - Regulatory Component of this schedule do not apply to a customer that is an embedded wholesale market participant.

It should be noted that this schedule does not list any charges, assessments, or credits that are required by law to be invoiced by a distributor and that are not subject to Ontario Energy Board approval, such as the Global Adjustment and the HST.

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	30.28
Smart Metering Entity Charge - effective until December 31, 2022	\$	0.57
Distribution Volumetric Rate	\$/kWh	0.0210
Low Voltage Service Rate	\$/kWh	0.0002
Rate Rider for Disposition of Global Adjustment Account (2022) - effective until April 30, 2023 Applicable only for Non-RPP Customers	\$/kWh	0.0044
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2022) - effective until April 30, 2023	\$/kWh	0.0006
Rate Rider for Disposition of Deferral/Variance Accounts (2022) - effective until April 30, 2023	\$/kWh	(0.0004)
Rate Rider for Disposition of Capacity Based Recovery Account (2022) - effective until April 30, 2023 Applicable only for Class B Customers	\$/kWh	(0.0002)
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0081
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0061

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0030
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

Bluewater Power Distribution Corporation

TARIFF OF RATES AND CHARGES

Effective and Implementation Date May 1, 2022

This schedule supersedes and replaces all previously approved schedules of Rates, Charges and Loss Factors

EB-2021-0008

GENERAL SERVICE 50 TO 999 KW SERVICE CLASSIFICATION

This classification applies to a customer not designated as Residential, and that over a twelve month period has, or a new customer forecast to have, an average monthly peak demand equal to or greater than 50 kW and less than 1,000 kW. This rate class designation is reviewed on an annual basis and the customer's designated rate class may change as a result. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, which may be applicable to the administration of this schedule.

No rates and charges for the distribution of electricity and charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule, unless required by the Distributor's Licence or a Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, or as specified herein.

Unless specifically noted, this schedule does not contain any charges for the electricity commodity, be it under the Regulated Price Plan, a contract with a retailer or the wholesale market price, as applicable. In addition, the charges in the MONTHLY RATES AND CHARGES - Regulatory Component of this schedule do not apply to a customer that is an embedded wholesale market participant.

If included in the following listing of monthly rates and charges, the rate rider for the disposition of WMS - Sub-account CBR Class B is not applicable to wholesale market participants (WMP), customers that transitioned between Class A and Class B during the variance account accumulation period, or to customers that were in Class A for the entire period. Customers who transitioned are to be charged or refunded their share of the variance disposed through customer specific billing adjustments. This rate rider is to be consistently applied for the entire period to the sunset date of the rate rider. In addition, this rate rider is applicable to all new Class B customers.

If included in the following listing of monthly rates and charges, the rate rider for the disposition of Global Adjustment is only applicable to non-RPP Class B customers. It is not applicable to wholesale market participants (WMP), customers that transitioned between Class A and Class B during the variance account accumulation period, or to customers that were in Class A for the entire period. Customers who transitioned are to be charged or refunded their share of the variance disposed through customer specific billing adjustments. This rate rider is to be consistently applied for the entire period to the sunset date of the rate rider. In addition, this rate rider is applicable to all new non-RPP Class B customers.

It should be noted that this schedule does not list any charges, assessments, or credits that are required by law to be invoiced by a distributor and that are not subject to Ontario Energy Board approval, such as the Global Adjustment and the HST.

Bluewater Power Distribution Corporation

TARIFF OF RATES AND CHARGES

Effective and Implementation Date May 1, 2022

This schedule supersedes and replaces all previously approved schedules of Rates, Charges and Loss Factors

EB-2021-0008

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	161.74
Distribution Volumetric Rate	\$/kW	4.6999
Low Voltage Service Rate	\$/kW	0.0748
Rate Rider for Disposition of Global Adjustment Account (2022) - effective until April 30, 2023 Applicable only for Non-RPP Customers	\$/kWh	0.0044
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2022) - effective until April 30, 2023	\$/kW	0.5073
Rate Rider for Disposition of Deferral/Variance Accounts (2022) - effective until April 30, 2023 Applicable only for Non-Wholesale Market Participants	\$/kW	(0.4623)
Rate Rider for Disposition of Deferral/Variance Accounts (2022) - effective until April 30, 2023	\$/kW	0.3162
Rate Rider for Disposition of Capacity Based Recovery Account (2022) - effective until April 30, 2023 Applicable only for Class B Customers	\$/kW	(0.0725)
Retail Transmission Rate - Network Service Rate	\$/kW	3.2508
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	2.4789

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0030
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

Bluewater Power Distribution Corporation

TARIFF OF RATES AND CHARGES

Effective and Implementation Date May 1, 2022

This schedule supersedes and replaces all previously approved schedules of Rates, Charges and Loss Factors

EB-2021-0008

GENERAL SERVICE 1,000 TO 4,999 KW SERVICE CLASSIFICATION

This classification applies to a customer not designated Residential, and that: over a twelve month period has, or a new customer forecast to have, an average monthly peak demand equal to or greater than 1,000 kW and less than 5,000 kW. This rate class designation is reviewed on an annual basis and the customer's designated rate class may change as a result. Class A and Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, which may be applicable to the administration of this schedule.

No rates and charges for the distribution of electricity and charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule, unless required by the Distributor's Licence or a Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, or as specified herein.

Unless specifically noted, this schedule does not contain any charges for the electricity commodity, be it under the Regulated Price Plan, a contract with a retailer or the wholesale market price, as applicable. In addition, the charges in the MONTHLY RATES AND CHARGES - Regulatory Component of this schedule do not apply to a customer that is an embedded wholesale market participant.

If included in the following listing of monthly rates and charges, the rate rider for the disposition of WMS - Sub-account CBR Class B is not applicable to wholesale market participants (WMP), customers that transitioned between Class A and Class B during the variance account accumulation period, or to customers that were in Class A for the entire period. Customers who transitioned are to be charged or refunded their share of the variance disposed through customer specific billing adjustments. This rate rider is to be consistently applied for the entire period to the sunset date of the rate rider. In addition, this rate rider is applicable to all new Class B customers.

If included in the following listing of monthly rates and charges, the rate rider for the disposition of Global Adjustment is only applicable to non-RPP Class B customers. It is not applicable to wholesale market participants (WMP), customers that transitioned between Class A and Class B during the variance account accumulation period, or to customers that were in Class A for the entire period. Customers who transitioned are to be charged or refunded their share of the variance disposed through customer specific billing adjustments. This rate rider is to be consistently applied for the entire period to the sunset date of the rate rider. In addition, this rate rider is applicable to all new non-RPP Class B customers.

It should be noted that this schedule does not list any charges, assessments, or credits that are required by law to be invoiced by a distributor and that are not subject to Ontario Energy Board approval, such as the Global Adjustment and the HST.

Bluewater Power Distribution Corporation

TARIFF OF RATES AND CHARGES

Effective and Implementation Date May 1, 2022

This schedule supersedes and replaces all previously approved schedules of Rates, Charges and Loss Factors

EB-2021-0008

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	3,555.10
Distribution Volumetric Rate	\$/kW	1.9173
Low Voltage Service Rate	\$/kW	0.0820
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2022) - effective until April 30, 2023		
	\$/kW	0.0429
Rate Rider for Disposition of Deferral/Variance Accounts (2022) - effective until April 30, 2023	\$/kW	(0.2083)
Retail Transmission Rate - Network Service Rate	\$/kW	3.4527
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	2.7176

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0030
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

Bluewater Power Distribution Corporation

TARIFF OF RATES AND CHARGES

Effective and Implementation Date May 1, 2022

This schedule supersedes and replaces all previously approved schedules of Rates, Charges and Loss Factors

EB-2021-0008

LARGE USE SERVICE CLASSIFICATION

This classification applies to a customer not designated as Residential, and that over 12 consecutive billing periods has, or a new customer forecast to have, an average monthly peak demand equal to or greater than 5,000 kW. This rate class designation is reviewed on an annual basis and the customer's designated rate class may change as a result. Class A and Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, which may be applicable to the administration of this schedule.

No rates and charges for the distribution of electricity and charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule, unless required by the Distributor's Licence or a Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, or as specified herein.

Unless specifically noted, this schedule does not contain any charges for the electricity commodity, be it under the Regulated Price Plan, a contract with a retailer or the wholesale market price, as applicable. In addition, the charges in the MONTHLY RATES AND CHARGES - Regulatory Component of this schedule do not apply to a customer that is an embedded wholesale market participant.

If included in the following listing of monthly rates and charges, the rate rider for the disposition of WMS - Sub-account CBR Class B is not applicable to wholesale market participants (WMP), customers that transitioned between Class A and Class B during the variance account accumulation period, or to customers that were in Class A for the entire period. Customers who transitioned are to be charged or refunded their share of the variance disposed through customer specific billing adjustments. This rate rider is to be consistently applied for the entire period to the sunset date of the rate rider. In addition, this rate rider is applicable to all new Class B customers.

If included in the following listing of monthly rates and charges, the rate rider for the disposition of Global Adjustment is only applicable to non-RPP Class B customers. It is not applicable to wholesale market participants (WMP), customers that transitioned between Class A and Class B during the variance account accumulation period, or to customers that were in Class A for the entire period. Customers who transitioned are to be charged or refunded their share of the variance disposed through customer specific billing adjustments. This rate rider is to be consistently applied for the entire period to the sunset date of the rate rider. In addition, this rate rider is applicable to all new non-RPP Class B customers.

It should be noted that this schedule does not list any charges, assessments, or credits that are required by law to be invoiced by a distributor and that are not subject to Ontario Energy Board approval, such as the Global Adjustment and the HST.

Bluewater Power Distribution Corporation

TARIFF OF RATES AND CHARGES

Effective and Implementation Date May 1, 2022

This schedule supersedes and replaces all previously approved schedules of Rates, Charges and Loss Factors

EB-2021-0008

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	27,819.53
Distribution Volumetric Rate	\$/kW	2.0892
Low Voltage Service Rate	\$/kW	0.0938
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2022) - effective until April 30, 2023	\$/kW	0.0076
Rate Rider for Disposition of Deferral/Variance Accounts (2022) - effective until April 30, 2023 Applicable only for Non-Wholesale Market Participants	\$/kW	(0.8060)
Rate Rider for Disposition of Deferral/Variance Accounts (2022) - effective until April 30, 2023	\$/kW	0.5338
Retail Transmission Rate - Network Service Rate - Interval Metered	\$/kW	3.8230
Retail Transmission Rate - Line and Transformation Connection Service Rate - Interval Metered	\$/kW	3.1076

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0030
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

Bluewater Power Distribution Corporation

TARIFF OF RATES AND CHARGES

Effective and Implementation Date May 1, 2022

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EB-2021-0008

UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION

This classification applies to an account whose average monthly maximum demand is less than, or a new customer forecast to be less than, 50 kW and the consumption is unmetered. Such connections include cable TV power packs, bus shelters, telephone booths, traffic lights, railway crossings, etc. The level of the consumption will be agreed to by Bluewater Power and the customer, based on detailed manufacturer information/documentation with regard to electrical consumption of the unmetered load or periodic monitoring of actual consumption. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, which may be applicable to the administration of this schedule.

No rates and charges for the distribution of electricity and charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule, unless required by the Distributor's Licence or a Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, or as specified herein.

Unless specifically noted, this schedule does not contain any charges for the electricity commodity, be it under the Regulated Price Plan, a contract with a retailer or the wholesale market price, as applicable. In addition, the charges in the MONTHLY RATES AND CHARGES - Regulatory Component of this schedule do not apply to a customer that is an embedded wholesale market participant.

It should be noted that this schedule does not list any charges, assessments, or credits that are required by law to be invoiced by a distributor and that are not subject to Ontario Energy Board approval, such as the Global Adjustment and the HST.

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per connection)	\$	13.60
Distribution Volumetric Rate	\$/kWh	0.0370
Low Voltage Service Rate	\$/kWh	0.0002
Rate Rider for Disposition of Global Adjustment Account (2022) - effective until April 30, 2023 Applicable only for Non-RPP Customers	\$/kWh	0.0044
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2022) - effective until April 30, 2023	\$/kWh	(0.0006)
Rate Rider for Disposition of Deferral/Variance Accounts (2022) - effective until April 30, 2023	\$/kWh	(0.0004)
Rate Rider for Disposition of Capacity Based Recovery Account (2022) - effective until April 30, 2023 Applicable only for Class B Customers	\$/kWh	(0.0002)
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0081
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0061

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0030
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

Bluewater Power Distribution Corporation

TARIFF OF RATES AND CHARGES

Effective and Implementation Date May 1, 2022

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EB-2021-0008

SENTINEL LIGHTING SERVICE CLASSIFICATION

This classification refers to accounts that are an unmetered lighting load supplied to a sentinel light. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, which may be applicable to the administration of this schedule.

No rates and charges for the distribution of electricity and charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule, unless required by the Distributor's Licence or a Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, or as specified herein.

Unless specifically noted, this schedule does not contain any charges for the electricity commodity, be it under the Regulated Price Plan, a contract with a retailer or the wholesale market price, as applicable. In addition, the charges in the MONTHLY RATES AND CHARGES - Regulatory Component of this schedule do not apply to a customer that is an embedded wholesale market participant.

It should be noted that this schedule does not list any charges, assessments, or credits that are required by law to be invoiced by a distributor and that are not subject to Ontario Energy Board approval, such as the Global Adjustment and the HST.

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per connection)	\$	4.38
Distribution Volumetric Rate	\$/kW	28.9092
Low Voltage Service Rate	\$/kW	0.0590
Rate Rider for Disposition of Global Adjustment Account (2022) - effective until April 30, 2023 Applicable only for Non-RPP Customers	\$/kWh	0.0043
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2022) - effective until April 30, 2023	\$/kW	(0.0702)
Rate Rider for Disposition of Deferral/Variance Accounts (2022) - effective until April 30, 2023	\$/kW	(0.1537)
Rate Rider for Disposition of Capacity Based Recovery Account (2022) - effective until April 30, 2023 Applicable only for Class B Customers	\$/kW	(0.0753)
Retail Transmission Rate - Network Service Rate	\$/kW	2.4640
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.9565

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0030
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

Bluewater Power Distribution Corporation

TARIFF OF RATES AND CHARGES

Effective and Implementation Date May 1, 2022

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EB-2021-0008

STREET LIGHTING SERVICE CLASSIFICATION

This classification applies to an account for roadway lighting with a Municipality, Regional Municipality, Ministry of Transportation and private roadway lighting, controlled by photo cells. The consumption for these customers will be based on the calculated connected load times the required lighting times established in the approved Ontario Energy Board street lighting load shape template. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, which may be applicable to the administration of this schedule.

No rates and charges for the distribution of electricity and charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule, unless required by the Distributor's Licence or a Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, or as specified herein.

Unless specifically noted, this schedule does not contain any charges for the electricity commodity, be it under the Regulated Price Plan, a contract with a retailer or the wholesale market price, as applicable. In addition, the charges in the MONTHLY RATES AND CHARGES - Regulatory Component of this schedule do not apply to a customer that is an embedded wholesale market participant.

It should be noted that this schedule does not list any charges, assessments, or credits that are required by law to be invoiced by a distributor and that are not subject to Ontario Energy Board approval, such as the Global Adjustment and the HST.

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per connection)	\$	2.71
Distribution Volumetric Rate	\$/kW	21.1438
Low Voltage Service Rate	\$/kW	0.0578
Rate Rider for Disposition of Global Adjustment Account (2022) - effective until April 30, 2023 Applicable only for Non-RPP Customers	\$/kWh	0.0044
Rate Rider for Disposition of Lost Revenue Adjustment Mechanism Variance Account (LRAMVA) (2022) - effective until April 30, 2023	\$/kW	(0.0938)
Rate Rider for Disposition of Deferral/Variance Accounts (2022) - effective until April 30, 2023	\$/kW	(0.1406)
Rate Rider for Disposition of Capacity Based Recovery Account (2022) - effective until April 30, 2023 Applicable only for Class B Customers	\$/kW	(0.0742)
Retail Transmission Rate - Network Service Rate	\$/kW	2.4517
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.9167

MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0030
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

Bluewater Power Distribution Corporation

TARIFF OF RATES AND CHARGES

Effective and Implementation Date May 1, 2022

This schedule supersedes and replaces all previously approved schedules of Rates, Charges and Loss Factors

EB-2021-0008

microFIT SERVICE CLASSIFICATION

This classification applies to an electricity generation facility contracted under the Independent Electricity System Operator's microFIT program and connected to the distributor's distribution system. Further servicing details are available in the distributor's Conditions of Service.

APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, which may be applicable to the administration of this schedule.

No rates and charges for the distribution of electricity and charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule, unless required by the Distributor's Licence or a Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, or as specified herein.

Unless specifically noted, this schedule does not contain any charges for the electricity commodity, be it under the Regulated Price Plan, a contract with a retailer or the wholesale market price, as applicable.

It should be noted that this schedule does not list any charges, assessments, or credits that are required by law to be invoiced by a distributor and that are not subject to Ontario Energy Board approval, such as the Global Adjustment and the HST.

MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	4.55
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ALLOWANCES

Transformer Allowance for Ownership - per kW of billing demand/month	\$/kW	(0.60)
Primary Metering Allowance for Transformer Losses - applied to measured demand & energy	%	(1.00)

SPECIFIC SERVICE CHARGES

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, which may be applicable to the administration of this schedule.

No charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule, unless required by the Distributor's Licence or a Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, or as specified herein.

It should be noted that this schedule does not list any charges, assessments, or credits that are required by law to be invoiced by a distributor and that are not subject to Ontario Energy Board approval, such as the Global Adjustment and the HST.

Bluewater Power Distribution Corporation

TARIFF OF RATES AND CHARGES

Effective and Implementation Date May 1, 2022

This schedule supersedes and replaces all previously approved schedules of Rates, Charges and Loss Factors

EB-2021-0008

Customer Administration

Duplicate invoices for previous billing	\$	15.00
Income tax letter	\$	15.00
Legal letter charge	\$	15.00
Account set up charge/change of occupancy charge (plus credit agency costs if applicable)	\$	10.00
Returned cheque (plus bank charges)	\$	15.00
Special meter reads	\$	30.00
Account history	\$	15.00
Meter dispute charge plus Measurement Canada fees (if meter found correct)	\$	30.00

Non-Payment of Account

Late payment - per month		
(effective annual rate 19.56% per annum or 0.04896% compounded daily rate)	%	1.50
Reconnection at meter - during regular hours	\$	65.00
Reconnection at meter - after regular hours	\$	185.00

Other

Specific charge for access to the power poles - \$/pole/year		
(with the exception of wireless attachments) - Approved on an Interim Basis	\$	45.48

RETAIL SERVICE CHARGES (if applicable)

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of the Ontario Energy Board, and amendments thereto as approved by the Ontario Energy Board, which may be applicable to the administration of this schedule.

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Unless specifically noted, this schedule does not contain any charges for the electricity commodity, be it under the Regulated Price Plan, a contract with a retailer or the wholesale market price, as applicable.

It should be noted that this schedule does not list any charges, assessments, or credits that are required by law to be invoiced by a distributor and that are not subject to Ontario Energy Board approval, such as the Global Adjustment and the HST.

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EB-2021-0008

Retail Service Charges refer to services provided by a distributor to retailers or customers related to the supply of competitive electricity.

One-time charge, per retailer, to establish the service agreement between the distributor and the retailer	\$	106.53
Monthly fixed charge, per retailer	\$	42.62
Monthly variable charge, per customer, per retailer	\$/cust.	1.06
Distributor-consolidated billing monthly charge, per customer, per retailer	\$/cust.	0.63
Retailer-consolidated billing monthly credit, per customer, per retailer	\$/cust.	(0.63)
Service Transaction Requests (STR)		
Request fee, per request, applied to the requesting party	\$	0.53
Processing fee, per request, applied to the requesting party	\$	1.06
Request for customer information as outlined in Section 10.6.3 and Chapter 11 of the Retail Settlement Code directly to retailers and customers, if not delivered electronically through the Electronic Business Transaction (EBT) system, applied to the requesting party		
Up to twice a year	\$	no charge
More than twice a year, per request (plus incremental delivery costs)	\$	4.26
Notice of switch letter charge, per letter (unless the distributor has opted out of applying the charge as per the Ontario Energy Board's Decision and Order EB-2015-0304, issued on February 14, 2019)	\$	2.13

LOSS FACTORS

If the distributor is not capable of prorating changed loss factors jointly with distribution rates, the revised loss factors will be implemented upon the first subsequent billing for each billing cycle.

Total Loss Factor - Secondary Metered Customer < 5,000 kW	1.0421
Total Loss Factor - Secondary Metered Customer > 5,000 kW	1.017
Total Loss Factor - Primary Metered Customer < 5,000 kW	1.0316
Total Loss Factor - Primary Metered Customer > 5,000 kW	1.0069

Attachment 7
2022 IRM Checklist

2022 IRM Checklist
Bluewater Power Distribution Corporation
EB-2021-0008

Date: **November 3, 2021**

Filing Requirement Section/Page Reference	IRM Requirements	Evidence Reference, Notes
3.1.2 Components of the Application Filing		
2	Manager's summary documenting and explaining all rate adjustments requested	Section 5
2	Contact info - primary contact may be a person within the distributor's organization other than the primary license contact	Section 2
3	Completed Rate Generator Model and supplementary work forms, Excel and PDF	Excel IRM Model
3	Current tariff sheet, PDF	Section 3
3	Supporting documentation (e.g. relevant past decisions, RRWF etc.)	N/A
3	Statement as to who will be affected by the application, specific customer groups affected by particular request	Section 5.1
3	Distributor's internet address	Section 5.1
3	Statement confirming accuracy of billing determinants pre-populated in model	Section 5.1
3	Text searchable PDF format for all documents	yes
3	An Excel version of the IRM Checklist	Excel Checklist
3.2.2 Revenue to Cost Ratio Adjustments		
6	Revenue to Cost Ratio Adjustment Workform, if distributor is seeking revenue to cost ratio adjustments due to previous OEB decision	N/A
3.2.3 Rate Design for Residential Electricity Customers		
Applicable only to distributors that have not completed the residential rate design transition		
7	A plan to mitigate the impact for the whole residential class or indicate why such a plan is not required, if the total bill impact of the elements proposed in the application is 10% or greater for RPP customers consuming at the 10th percentile	N/A
7	Mitigation plan if total bill increases for any customer class exceed 10%	N/A
3.2.4 Electricity Distribution Retail Transmission Service Rates		
No action required at filing - model completed with most recent uniform transmission rates (UTRs) approved by the OEB		
3.2.5 Review and Disposition of Group 1 DVA Balances		
8	Justification if any account balance in excess of the threshold should not be disposed	N/A
8	Completed Tab 3 - continuity schedule in Rate Generator Model	Excel IRM Model
8 - 9	If Group 1 balances were last approved on an interim basis and adjustments have been made to the approved balances, a distributor needs to complete the continuity schedule starting from the last balances approved on a final basis	N/A
9	Explanation of variance between amounts proposed for disposition and amounts reported in RRR for each account	Section 5.4.1
9	Statement as to whether any adjustments have been made to balances previously approved by the OEB on a final basis; If so, explanations provided for the nature and amounts of the adjustments and supporting documentation under a section titled "Adjustments to Deferral and Variance Accounts"	Section 5.4.1
9 - 10	Rate riders proposed for recovery or refund of balances that are proposed for disposition. The default disposition period is one year. Justification with proper supporting information is required if distributor is proposing an alternative recovery period	Section 5.4.1
3.2.5.1 Wholesale Market Participants		
10	Separate rate riders established to recover balances in RSVAs from Wholesale Market Participants, who must not be allocated balances related to charges for which WMPs settle directly with the IESO	Section 5.4.2
3.2.5.2 Global Adjustment		
11	Separate GA rate rider established (variable charge) applicable to Non-RPP Class B customers when clearing balances in the GA Variance Account	Section 5.4.3
11	Populated GA Analysis Workform for each year that has not previously been approved by the OEB for disposition, irrespective of whether seeking disposition of the Account 1589 balance as part of current application. If adjustments were made to an Account 1589 balance that was previously approved on an interim basis, the GA Analysis Workform is required to be completed for each year after the distributor last received final disposition for Account 1589	Excel GA Workform
3.2.5.3 Commodity Accounts 1588 and 1589		
12	Confirmation of implementation of the OEB's February 21, 2019 guidance effective from January 1, 2019 when requesting final disposition for the first time following implementation of the Accounting Guidance	Section 5.4.4
12	Confirmation that historical balances that have yet to be disposed on a final basis have been considered in the context of the Accounting Guidance, summary provided of the review performed. Distributors must discuss the results of review, whether any systemic issues were noted, and whether any material adjustments to the account balances have been recorded. A summary and description is provided for each adjustment made to the historical balances	N/A
13	Certification of Evidence - Distributor has robust processes and internal controls in place for the preparation, review, verification and oversight of account balances being proposed for disposition	Section 4
3.2.5.4 Capacity Based Recovery (CBR)		
13 - 14	Disposition proposed for Account 1580 sub-account CBR Class B in accordance with the OEB's CBR Accounting Guidance. - Embedded distributors who are not charged CBR (therefore no balance in sub-account CBR Class B) must indicate this is the case for them - In the Rate Generator model, distributors must indicate whether they had Class A customers during the period where Account 1580 CBR Class B sub-account balance accumulated - For disposition of Account 1580 sub-account CBR Class A, distributors must follow the OEB's CBR accounting guidance, which results in balances disposed outside of a rate proceeding - The Rate Generator model allocates the portion of Account 1580 sub-account CBR Class B to customers who transitioned between Class A and Class B based on consumption	Section 5.4.5
3.2.5.5 Disposition of Account 1595		
14	Confirmation that residual balances in Account 1595 Sub-accounts for each vintage year have only been disposed once	Section 5.4.6
15	Account 1595 Analysis Workform completed for distributors who meet the requirements for disposition of residual balances in 1595 sub-accounts (and are seeking disposition)	Excel 1595 workform
15	Detailed explanations provided for any significant residual balances attributable to specific rate riders for each customer rate class, including for example, differences between forecast and actual volumes	Section 5.4.6
3.2.6 Lost Revenue Adjustment Mechanism Variance Account		
16	Completed latest version of LRAMVA Workform in a working Excel file when making LRAMVA requests for remaining amounts related to CFF activity	Excel LRAMVA Workform
18	Final Verified Annual Reports if LRAMVA balances are being claimed from CDM programs delivered in 2017 or earlier. Participation and Cost reports in Excel format, made available by the IESO, provided to support LRAMVA balances for programs delivered after January 1, 2018	Section 3
18	Meet the OEB's requirements related to personal information and commercially sensitive information as stated in the Filing Requirements	Yes, Section 5.5
19	Statement identifying the year(s) of new lost revenues and prior year savings persistence claimed in the LRAMVA disposition	Section 5.5
19	Statement confirming LRAMVA based on verified savings results supported by the distributors final CDM Report and Persistence Savings Report (both filed in Excel format) and a statement indicating use of most recent input assumptions when calculating lost revenue	Section 5.5
20	Summary table with principal and carrying charges by rate class and resulting rate riders	Sec 5.5 Table 12
20	Statement providing the proposed disposition period; rationale provided for disposing the balance in the LRAMVA if significant rate rider is not generated for one or more customer classes	Section 5.5
20	Statement confirming LRAMVA reference amounts, rationale for the distributors circumstances if LRAMVA threshold not used	Section 5.5
20	Rationale confirming how rate class allocations for actual CDM savings were determined by class and program (Tab 3-A of LRAMVA Work Form)	Section 5.5
20	Statement confirming whether additional documentation was provided in support of projects that were not included in distributor's final CDM Annual Report (Tab 8 of LRAMVA Work Form as applicable)	Section 5.5
20 - 21	must be provided: Explanation of the methodology to calculate streetlighting savings; Confirmation whether the streetlighting savings were calculated in accordance with OEB-approved load profiles for streetlighting projects; Confirmation whether the streetlighting project(s) received funding from the IESO and the appropriate net-to-gross assumption used to calculate streetlighting savings. For the recovery of lost revenues related to demand savings from street light upgrades, distributors should provide the following information: o Explanation of the forecast demand savings from street lights, including assumptions built into the load forecast from the last CoS application o Confirmation that the street light upgrades represent incremental savings attributable to participation in the IESO program, and that any savings not attributable to the IESO program have been removed (for example, other upgrades under normal asset management plans) o Confirmation that the associated energy savings from the applicable IESO program have been removed from the LRAMVA workform so as not to double count savings (for example, if requesting lost revenue recovery for the demand savings from a street light upgrade program, the associated energy savings from the Retrofit program have been subtracted from the Retrofit total) o Confirmation that the distributor has received reports from the participating municipality that validate the number and type of bulbs replaced or retrofitted through the IESO program o A table, in live excel format, that shows the monthly breakdown of billed demand over the period of the street light upgrade project, and the detailed calculations of the change in billed demand due to the street light upgrade project (including data on number of bulbs, type of bulb replaced or retrofitted, average demand per bulb)	N/A
21	For the recovery of lost revenues related to demand savings from other programs that are not included in the monthly Participation and Cost Reports of the IESO (for example Combined Heat and Power projects), distributors should provide the following information: o The third party evaluation report that describes the methodology to calculate the demand savings achieved for the program year. In particular, if the proposed methodology is different than the evaluation approaches used by the IESO, an explanation must be provided explaining why the proposed approach is more appropriate o Rationale for net-to-gross assumptions used o Breakdown of billed demand and detailed level calculations in live excel format	Attachment 5.c, 5.d, 5.e
3.2.7 Tax Changes		
22	Tabs 8 and 9 of Rate Generator model are completed, if applicable	Excel - IRM Model
22	If a rate rider to the fourth decimal place is not generated for one or more customer classes, the entire sharing tax amount is transferred to Account 1595 for disposition at a future date	Section 5.6
3.2.8 Z-Factor Claims		
23	To be eligible for a Z-factor claim, a distributor must demonstrate that its achieved regulatory return on equity (ROE), during its most recently completed fiscal year, does not exceed 300 basis points above its deemed ROE embedded in its base rates	N/A
23	Evidence that costs incurred meet criteria of causation, materiality and prudence	N/A
23 - 24	In addition, the distributor must: - Notify OEB by letter of all Z-Factor events within 6 months of event - Apply to OEB for any cost recovery of amounts in the OEB-approved deferral account claimed under Z-Factor treatment - Demonstrate that distributor could not have been able to plan or budget for the event and harm caused is genuinely incremental - Demonstrate that costs incurred within a 12-month period and are incremental to those already being recovered in rates as part of ongoing business exposure risk - Provide the distributor's achieved regulatory ROE for the most recently completed fiscal year	N/A
3.2.8.2 Z-Factor Accounting Treatment		
24	Eligible Z-factor cost amounts are recorded in Account 1572, Extraordinary Event Costs. Carrying charges are calculated using simple interest applied to the monthly opening balances in the account and recorded in a separate sub-accounts of this account	N/A
3.2.8.3 Recovery of Z-Factor Costs		
24	Description of manner in which distributor intends to allocate incremental costs, including rationale for approach and merits of alternative allocation methods	N/A

2022 IRM Checklist

Bluewater Power Distribution Corporation

EB-2021-0008

Date: November 3,
2021

Filing Requirement Section/Page Reference	IRM Requirements	Evidence Reference, Notes
24	Specification of whether rate rider(s) will apply on fixed or variable basis, or combination; length of disposition period and rationale for proposal	N/A
24	Residential rate rider to be proposed on fixed basis	N/A
24	Detailed calculation of incremental revenue requirement and resulting rate rider(s)	N/A
3.2.9 Off-Ramps		
24	If a distributor whose earnings are in excess of the dead band nevertheless applies for an increase to its base rates, it needs to substantiate its reasons for doing so	N/A
24 - 25	A distributor is expected to file its regulated ROE, as was filed for 2.1.5.6 of the RRR. However, if in the distributor's view this ROE has been affected by out-of-period or other items (for example, revenues or costs that pertain to a prior period but recognized in a subsequent one), it may also file a proposal to normalize its achieved regulated ROE for those impacts, for consideration by the OEB.	N/A
3.3.1 Advanced Capital Module		
4	Capital Module applicable to ACM and ICM, for an incremental or pre-approved Advanced Capital Module (ICM/ACM) cost recovery and associated rate rider(s)	N/A
26	Evidence of passing "Means Test"	N/A
26	Information on relevant project's (or projects') updated cost projections, confirmation that the project(s) are on schedule to be completed as planned and an updated ACM/ICM module in Excel format	N/A
26	If proposed recovery differs significantly from pre-approved amount, a detailed explanation is required	N/A
26	If updated cost projects are 30% greater than pre-approved amount, distributor must treat project as new ICM, re-filed business case and other relevant material required	N/A
3.3.2 Incremental Capital Module		
3.3.2.1 ICM Filing Requirements		
	The following should be provided when filing for incremental capital:	N/A
4	Capital Module applicable to ACM and ICM, for an incremental or pre-approved Advanced Capital Module (ICM/ACM) cost recovery and associated rate rider(s)	N/A
28	An analysis demonstrating that the materiality threshold test has been met and that the amounts will have a significant influence on the operation of the distributor	N/A
28	Justification that the amounts to be incurred will be prudent - amounts represents the most cost-effective option (but not necessarily the least initial cost) for ratepayers	N/A
28	Justification that amounts being sought are directly related to the cause, which must be clearly outside of the base upon which current rates were derived	N/A
28	Evidence that the incremental revenue requested will not be recovered through other means (e.g., it is not, in full or in part, included in base rates or being funded by the expansion of service to include new customers and other load growth)	N/A
28	Details by project for the proposed capital spending plan for the expected in-service year	N/A
28	Description of the proposed capital projects and expected in-service dates	N/A
28	Calculation of the revenue requirement (i.e. the cost of capital, depreciation, and PILs) associated with each proposed incremental capital project	N/A
29	Calculation of each incremental project's revenue requirements that will be offset by revenue generated through other means (e.g. customer contributions in aid of construction)	N/A
29	Description of the actions the distributor would take in the event that the OEB does not approve the application	N/A
29	Calculation of a rate rider to recover the incremental revenue from each applicable customer class. The distributor must identify and provide a rationale for its proposed rider design, whether variable, fixed or a combination of fixed and variable riders. As discussed at section 3.2.3, any new rate rider for the residential class must be applied on a fixed basis	N/A
29	An updated DSP is required for any ICM request that is filed beyond the five-year horizon of the distributor's current DSP. Any ICM request that involves a significant increase to a capital budget may need to be supported by a DSP along with customer engagement analysis	N/A